# ANNUAL BOOK OF ASTM STANDARDS

# 2014

SECTION 00

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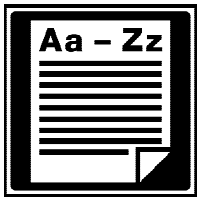


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# Foreword

Founded in 1898, ASTM International has grown into a globally recognized leader in the development and delivery of international voluntary consensus standards. Today, over 12,500 ASTM standards are used around the world to improve product quality, enhance safety, facilitate market access and trade, and build consumer confidence.

Through 143 technical standards-writing committees, ASTM serves many diverse industries providing a forum for producers, users, ultimate consumers, and those having a general interest (representatives of government and academia) to meet on common ground and write standards for materials, products, systems, and services. These standards and other related technical information are accepted and used throughout the world.

ASTM International Headquarters has no technical research or testing facilities; leadership in international standards development is driven by the contributions of its members: more than 30,000 of the world's top technical experts and business professionals representing 135 countries. Membership in the Society is open to all concerned with the fields in which ASTM International is active. To join ASTM, visit the website, www.astm.org under *Membership* or contact Member Services and Promotion, ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken PA 19428-2959; tel. 610-832-9535.

**2014 Annual Book of ASTM Standards**

The 2014 *Annual Book of ASTM Standards* consists of 82 volumes, divided among 16 sections, of which this volume is one. It contains approved ASTM standards and related material. These terms are defined as follows in the *Regulations Governing ASTM Technical Committees:*

*Categories:*

*standard—as used in ASTM,* a document that has been developed and established within the consensus principles of the Society and that meets the approval requirements of ASTM procedures and regulations.

*standard—as used in ASTM,* a descriptive used in titles of test methods, specifications, and other documents to indicate consensus approval in accordance with ASTM procedures and regulations.

*Types:*

The various types of ASTM documents are to provide a flexibility of form, communication, and usage for both the technical committees and the myriad users of ASTM documents. The type of ASTM document that is developed and titled is based on the technical content and intended use, not on the degree of consensus achieved. ASTM standards can be of the following forms and types:

*classification*—a systematic arrangement or division of materials, products, systems, or services into groups based on similar characteristics such as origin, composition, properties, or use.

*guide*—an organized collection of information or series of options that does not recommend a specific course of action.
*Discussion*—A guide increases the awareness of information and approaches in a given subject area.

*practice*—a set of instructions for performing one or more specific operations that does not produce a test result.
*Discussion*—Examples of practices include, but are not limited to: application, assessment, cleaning, collection, decontamination, inspection, installation, preparation, sampling, screening, and training.

*specification*—an explicit set of requirements to be satisfied by a material, product, system, or service.
*Discussion*—Examples of specifications include, but are not limited to, requirements for: physical, mechanical, or chemical properties, and safety, quality, or performance criteria. A specification identifies the test methods for



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determining whether each of the requirements is satisfied.

*terminology*—a document composed of terms, definitions of terms, descriptions of terms, nomenclature, and explanations of abbreviations, acronyms, and symbols.

*test method*—a definitive procedure that produces a test result.

*Discussion*—Examples of test methods include, but are not limited to: identification, measurement, and evaluation of one or more qualities, characteristics, or properties. A precision and bias statement shall be reported at the end of a test method. (See *Form and Style for ASTM Standards*, Section A21, Precision and Bias.)

A new edition of the *Book of Standards* is published annually because of additions of new standards and significant revisions to existing standards. Approximately 30 % of each volume is new or revised. New and revised standards approved by the Society between the annual editions of any given volume are made available on www.astm.org as separate copies. Users are cautioned to follow the most current issue of a standard, except when a specific edition of a standard is cited, for example, as in a contract.

**Development and Use of ASTM Standards**

ASTM International believes that technically competent standards result when a full consensus of all concerned parties is achieved and due process procedures are followed. This philosophy and standards development system ensure technically competent standards having the highest credibility when critically examined and used as the basis for commercial, legal, or regulatory actions.

ASTM standards are developed voluntarily and used voluntarily. Standards become legally binding only when a government body references them in regulations, or when they are cited in a contract. Any item that is produced and marked as conforming to an ASTM standard must meet all applicable requirements of that standard.

ASTM standards are used by thousands of individuals, companies, and agencies. Purchasers and sellers incorporate standards into contracts; scientists and engineers use them in laboratories; architects and designers use them in plans; government agencies reference them in codes, regulations, and laws; and many others refer to standards for guidance.

**Citing Standards**

When citing ASTM standards in other sources, the following format may be used: ASTM Standard C33, "Specification for Concrete Aggregates," ASTM International, West Conshohocken, PA, 2008, DOI: 10.1520/C33–08, www.astm.org. For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

**Consideration of Comments on ASTM Standards**

An ASTM standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either reapproved or withdrawn. Your comments are invited either for revision of any standard or for the development of new standards and should be addressed to ASTM International Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel your comments have not received a fair hearing you should make your views known to the ASTM Committee on Standards, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959.

**Using the Annual Book of ASTM Standards**

The standards are assembled in each volume in alphanumeric sequence of their ASTM designation numbers. Volumes 05.05, 05.06, and 06.04 are assembled first by committee, then in alphanumeric sequence. Each volume has a table of contents, listing the standards in alphanumeric sequence by ASTM designation; and a list by subjects, categorizing the standards according to subject. A subject index of the standards in each volume appears at the back of each volume.

**Availability of Individual Standards**

Each ASTM standard is available as a separate copy from ASTM International. Standards can be downloaded or ordered directly from the ASTM website at www.astm.org. Standards can also be ordered from Customer Services at 610-832-9585, Monday through Friday, 8:30 AM to 4:30 PM Eastern Standard Time.



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## FOREWORD

Withdrawn standards shall be listed in the contents of the pertinent volumes of the *Annual Book of ASTM Standards* for three years. A single page for each standard will appear in those volumes providing the title, scope information, former committee jurisdiction, reason for withdrawal, any replacement, and the date of withdrawal. Standards that have been withdrawn may be separately available from the ASTM web site.

### Caveat Statements and Policies in Standards

ASTM caveat statements on Safety Hazards and Fire Hazards are required to appear in standards where appropriate. They are located in the scope section of applicable standards. The caveats on General Statement of ASTM Policy and Patents are contained in all standards and located at the end of each standard. For more information on the caveats see Section F2 of the *Form and Style for ASTM Standards.*



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# Preface

The Combined Subject Index references only those standards published in each volume of the *2014 Annual Book of ASTM Standards*. New and revised standards approved after the closing dates for the volumes are available as separate reprints and will be listed in next year's index.

## HOW TO USE THE SUBJECT INDEX

### A. General Information

Main subject terms and index headings are taken directly from titles, scopes, and terminology and significance sections, as well as referencing materials, applications, and other information written into each document.

A delta ( ) preceding the ASTM designation indicates that adjunct material for the standard is available separately from ASTM Headquarters; the adjunct number is given in the standard.

### B. Main Subject Headings

The Combined Subject Index has been restructured to reflect unitary and collective subject headings. The following are examples of unitary headings:

**Gas chromatography**
**Gas chromatography (atmospheric analysis)**
**Sports equipment**
**Sports equipment—alpine skis**

While most of the subject headings reflect divergent terminology in ASTM standards, there is a series of collective headings to display similar materials, properties, or tests. Following is a sample of these headings:

**Gas chromatography—chemicals**
**Gas chromatography—atmospheric analysis**
**Gas chromatography—detergents**
**Gas chromatography—forensic sciences**

Another method for organizing information about metals and alloys, in addition to specific metal/alloy headings, is through the *Unified Numbering System for Metals and Alloys* (UNS). The Subject Index offers retrieval capability for the following metals and alloys:

**UNS A series–Aluminum**
**UNS C series–Copper**
**UNS K series–Miscellaneous Steels and Ferrous Alloys**
**UNS L series–Lead**
**UNS M series–Magnesium**
**UNS N series–Nickel**
**UNS P series–Precious Metals and Alloys**
**UNS R series–Reactive and Refractory Metals/Alloys**
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**UNS W series–Welding Filler Metals**
**UNS Z series–Zinc**



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### C. ASTM Designations

There are four types of ASTM designations connected to titles:

**Inch-Pound Standards**
**SI Standards**
**Combined Standards**
**Provisional Standards**

### D. Subject Index Titles

In the Subject Index, alphanumeric titles have been rearranged into two parts: (*1*) subject title followed by (*2*) document type:

Steel Castings, Carbon, for General Application, Specification for, **A 27/A 27M (01.02)**

Accountability and Quality Control in the Chemical Analysis Laboratory, Guide for, **E 882 (03.06)**

Free–Cutting Copper Rod and Bar, Specification for, **B 301 (02.01)**

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Materials for Roads and Pavements, Terminology Relating to, **D 8 (04.03)**

Sampling and Testing Lac Resins, Test Methods for, **D 29 (06.03)**

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### E. Alphabetization

Alphabetization for both headings and entries is letter-by-letter:

**Construction materials**
**Construction materials—structural sandwich**
**Consumer products**
**Consumer safety specifications**
**Consumer safety specifications—bathrooms**

### F. Cross–References

In cross-referencing standards, the term "*See*" guides users from inverted, less familiar, or associated terms to preferred headings:

**Antifreezes (engine)**
*See* **Engine coolants**

**Prussian blue**
*See* **Pigments—iron blue**

*See* references are essential also in guiding users from specific terms to collective subject headings:

**Atomic emission spectroscopy**
*See* **Spectroscopy—atomic emission**

**Disposable pipets**
*See* **Laboratory apparatus—pipets**

A second type of cross-reference is the *Sa (See also)* reference, listing related subject headings:

**Alloys**
*Sa* **Chromium alloys/Copper alloys**



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Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Tube, Specification for, **B726 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Welded Tube, Specification for, **B739 (02.04)**
Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Seamless Pipe and Tube, Specification for, **B535 (02.04)**
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**Electrically heated sources**
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**Roller follower wear test**
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**UNS A02040 (Aluminum foundry alloy, casting)**
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**UNS A02080 (Aluminum foundry alloy, casting)**
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**UNS A02081 (Aluminum foundry alloy, ingot)**
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Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**

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**UNS A02221 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**



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**UNS A02381 (Aluminum foundry alloy, ingot)**
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**UNS A02382 (Aluminum foundry alloy, ingot)**
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**UNS A02420 (Aluminum foundry alloy, casting)**
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**UNS A02422 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**

**UNS A02950 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
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**UNS A02951 (Aluminum foundry alloy, ingot)**
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**UNS A02952 (Aluminum foundry alloy, ingot)**
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**UNS A03190 (Aluminum foundry alloy, casting)**
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**UNS A03331 (Aluminum foundry alloy, ingot)**
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**UNS A03360 (Aluminum foundry alloy, casting)**
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**UNS A03540 (Aluminum foundry alloy, casting)**
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**UNS A03550 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
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**UNS A03551 (Aluminum foundry alloy, ingot)**
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**UNS A03552 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**

**UNS A03560 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
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Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**

**UNS A03592 (Aluminum foundry alloy, ingot)**
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**UNS A03600 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**

**UNS A03800 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**

**UNS A03830 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**

**UNS A03840 (Aluminum foundry alloy, casting)**
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**UNS A03900 (Aluminum foundry alloy, casting)**
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**UNS A03920 (Aluminum foundry alloy, casting)**
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**UNS A04130 (Aluminum foundry alloy, casting)**
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**UNS A04431 (Aluminum foundry alloy, ingot)**
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**UNS A04432 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**



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**UNS A05120 (Aluminum foundry alloy, casting)**
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**UNS A05200 (Aluminum foundry alloy, casting)**
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Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**
**UNS A07120 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Sand Castings, Specification for, **B26/B26M (02.02)**
**UNS A07130 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**
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Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A13560 (Aluminum foundry alloy, casting)**
Aluminum Alloy Castings, High-Strength, Specification for, **B686/B686M (02.02)**
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**UNS A13562 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
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Aluminum Alloy Castings, High-Strength, Specification for, **B686/B686M (02.02)**
Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**



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**UNS A13600 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**
**UNS A13800 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**
**UNS A14130 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**
**UNS A14430 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
Aluminum-Alloy Sand Castings, Specification for, **B26/B26M (02.02)**
**UNS A14431 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A14440 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**
**UNS A14442 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A15142 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A17120 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
**UNS A17121 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A18500 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
Aluminum-Alloy Sand Castings, Specification for, **B26/B26M (02.02)**
**UNS A18501 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A23900 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**
**UNS A24430 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**
Aluminum-Alloy Sand Castings, Specification for, **B26/B26M (02.02)**
**UNS A24431 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A25140 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
**UNS A25142 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A28500 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
**UNS A28501 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A33550 (Aluminum foundry alloy, casting)**
Aluminum Alloy Castings, High-Strength, Specification for, **B686/B686M (02.02)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
Aluminum-Alloy Permanent Mold Castings, Specification for, **B108/B108M (02.02)**
Aluminum-Alloy Sand Castings, Specification for, **B26/B26M (02.02)**
**UNS A33552 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A34430 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Die Castings, Specification for, **B85/B85M (02.02)**
**UNS A37121 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A47120 (Aluminum foundry alloy, casting)**
Aluminum-Alloy Investment Castings, Specification for, **B618/B618M (02.02)**
Aluminum-Alloy Sand Castings, Specification for, **B26/B26M (02.02)**
**UNS A47122 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A63321 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A63322 (Aluminum foundry alloy, ingot)**
Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, Specification for, **B179 (02.02)**
**UNS A91050 (Wr. alum. alloy, non-heat treatable)**
Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**
**UNS A91060 (Wr. alum. alloy)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
**UNS A91060 (Wr. alum. alloy)—pipe/tube**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**
**UNS A91060 (Wr. alum. alloy)—tube**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, Specification for, **B234 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), Specification for, **B234M (02.02)**
Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
**UNS A91100 (Wr. alum. alloy)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings,



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and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion, Practice for, **G116 (03.02)**

**UNS A91100 (Wr. alum. alloy)—tube**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**
Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**

**UNS A91145 (Wr. alum. alloy, non-heat treatable)**
Aluminum Foil for Capacitors, Specification for, **B373 (02.02)**

**UNS A91200 (Wr. alum. alloy, non-heat treatable)**
Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**

**UNS A91230 (Wr. alum. alloy, non-heat treatable)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A91235 (Wr. alum. alloy, non-heat treatable)**
Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
Aluminum Foil for Capacitors, Specification for, **B373 (02.02)**
Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**

**UNS A91350 (Wr. alum. alloy)**
Aluminum 1350 Drawing Stock for Electrical Purposes, Specification for, **B233 (02.03)**
Aluminum Bars for Electrical Purposes (Bus Bars), Specification for, **B236 (02.02)**
Aluminum Bars for Electrical Purposes (Bus Bars) (Metric), Specification for, **B236M (02.02)**

**UNS A91350 (Wr. alum. alloy)—wire (electrical)**
Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes, Specification for, **B609/B609M (02.03)**
Aluminum 1350–H19 Wire for Electrical Purposes, Specification for, **B230/B230M (02.03)**
Aluminum Rectangular and Square Wire for Electrical Purposes, Specification for, **B324 (02.03)**
Compact Round Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/COMP), Specification for, **B401 (02.03)**
Concentric-Lay-Stranded Aluminum 1350 Conductors, Specification for, **B231/B231M (02.03)**
Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Alloy Reinforced (ACAR, 1350/6201), Specification for, **B524/B524M (02.03)**
Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Clad Steel Reinforced for Use in Overhead Electrical Conductors, Specification for, **B549 (02.03)**
Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR), Specification for, **B232/B232M (02.03)**
High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Aluminum and Aluminum-Alloy Conductors, Steel Reinforced, Specification for, **B606/B606M (02.03)**

**UNS A91435 (Wr. alum. alloy, non-heat treatable)**
Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**

**UNS A92011 (Wr. alum. alloy, non-heat treatable)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**

**UNS A92014 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A92017 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**

**UNS A92018 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**



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**UNS A92024 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A92025 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**

**UNS A92117 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**

**UNS A92124 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A92218 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**

**UNS A92219 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A92618 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**

**UNS A93003 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
- Aluminum-Alloy Rolled Tread Plate, Specification for, **B632/B632M (02.02)**
- Conducting Cyclic Galvanostaircase Polarization, Test Method for, **G100 (03.02)**

**UNS A93003 (Wr. alum. alloy)—pipe/tube**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**

**UNS A93003 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, Specification for, **B234 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), Specification for, **B234M (02.02)**
- Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
- Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
- Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**
- Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**

**UNS A93004 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A93004 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
- Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
- Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**



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**UNS A93005 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A93102 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**

**UNS A93102 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
- Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**

**UNS A93105 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A93303 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**

**UNS A94032 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**

**UNS A95005 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95005 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**

**UNS A95050 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95050 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
- Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
- Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**

**UNS A95052 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95052 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, Specification for, **B234 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), Specification for, **B234M (02.02)**
- Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
- Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
- Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**

**UNS A95056 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**

**UNS A95083 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95083 (Wr. alum. alloy)—pipe/tube**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**

**UNS A95083 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**



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**UNS A95086 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95086 (Wr. alum. alloy)—pipe/tube**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**

**UNS A95086 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
- Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
- Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**

**UNS A95154 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95154 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
- Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
- Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**

**UNS A95252 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95254 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95454 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95454 (Wr. alum. alloy)—tube**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, Specification for, **B234 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), Specification for, **B234M (02.02)**
- Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**

**UNS A95456 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
- Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95457 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95652 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A95657 (Wr. alum. alloy, non-heat treatable)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A96003 (Wr. alum. alloy, cladding)**
- Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
- Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**

**UNS A96005 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**

**UNS A96053 (Wr. alum. alloy, heat treatable)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**

**UNS A96061 (Wr. alum. alloy)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
- Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
- Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
- Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
- Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar,



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Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
Aluminum-Alloy 6061-T6 Standard Structural Profiles, Specification for, **B308/B308M (02.02)**
Aluminum-Alloy Extruded Structural Pipe and Tube, Specification for, **B429/B429M (02.02)**
Aluminum-Alloy Rolled Tread Plate, Specification for, **B632/B632M (02.02)**
Silver-Tungsten Electrical Contact Materials, Specification for, **B631 (02.04)**

**UNS A96061 (Wr. alum. alloy)—pipe/tube**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**

**UNS A96061 (Wr. alum. alloy)—tube**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, Specification for, **B234 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), Specification for, **B234M (02.02)**
Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**

**UNS A96061 (Wr. alum. alloy)—wire (electrical)**
Aluminum-Alloy 6201-T81 Wire for Electrical Purposes, Specification for, **B398/B398M (02.03)**
Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors, Specification for, **B399/B399M (02.03)**

**UNS A96063 (Wr. alum. alloy)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**

**UNS A96063 (Wr. alum. alloy)—pipe/tube**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**
Aluminum-Alloy Extruded Structural Pipe and Tube, Specification for, **B429/B429M (02.02)**

**UNS A96063 (Wr. alum. alloy)—tube**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**
Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications, Specification for, **B491/B491M (02.02)**
Micrometer Bend Test for Ductility of Electrodeposits, Practice for, **B490 (02.05)**

**UNS A96066 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**

**UNS A96070 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**

**UNS A96105 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**

**UNS A96151 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**

**UNS A96201 (Wr. alum. alloy, heat treatable)**
Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Alloy Reinforced (ACAR, 1350/6201), Specification for, **B524/B524M (02.03)**

**UNS A96253 (Wr. alum. alloy, cladding)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**

**UNS A96262 (Wr. alum. alloy)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**

**UNS A96262 (Wr. alum. alloy)—tube**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications, Specification for, **B483/B483M (02.02)**

**UNS A96351 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**

**UNS A96463 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**



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**UNS A97005 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
**UNS A97008 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
**UNS A97011 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
**UNS A97049 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
**UNS A97050 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
**UNS A97072 (Wr. alum. alloy)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
**UNS A97072 (Wr. alum. alloy)—pipe/tube**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, Specification for, **B241/B241M (02.02)**
Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, Specification for, **B345/B345M (02.02)**
**UNS A97072 (Wr. alum. alloy)—tube**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, Specification for, **B234 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), Specification for, **B234M (02.02)**
Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube, Specification for, **B547/B547M (02.02)**
Aluminum and Aluminum-Alloy Round Welded Tubes, Specification for, **B313/B313M (02.02)**
Green Strength of Specimens Compacted from Metal Powders, Test Method for, **B312 (02.05)**
**UNS A97075 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes, Specification for, **B210 (02.02)**
Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), Specification for, **B210M (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, Specification for, **B211 (02.02)**
Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), Specification for, **B211M (02.02)**
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**UNS A97076 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), Specification for, **B247M (02.02)**
**UNS A97175 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, Specification for, **B247 (02.02)**
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**UNS A97178 (Wr. alum. alloy, heat treatable)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, Specification for, **B221 (02.02)**
Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), Specification for, **B221M (02.02)**
Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, Specification for, **B316/B316M (02.02)**
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Aluminum and Aluminum-Alloy Sheet and Plate, Specification for, **B209 (02.02)**
Aluminum and Aluminum-Alloy Sheet and Plate (Metric), Specification for, **B209M (02.02)**
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8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, Specification for, **B800 (02.03)**
**UNS A98076 (Wr. alum alloy, non-heat treatable)**
8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, Specification for, **B800 (02.03)**
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8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, Specification for, **B800 (02.03)**
**UNS A98176 (Wr. alum alloy, non-heat treatable)**
8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, Specification for, **B800 (02.03)**
**UNS A98177 (Wr. alum alloy, non-heat treatable)**
8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, Specification for, **B800 (02.03)**
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**Unsaponifiable matter content**
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**UNS C10100 (oxygen-free copper)**
Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
Copper Rod Drawing Stock for Electrical Purposes, Specification for, **B49 (02.01)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
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Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
Oxygen-Free Copper in Wrought Forms for Electron Devices, Specification for, **F68 (02.01)**
Oxygen-Free Electrolytic Copper—Refinery Shapes, Specification for, **B170 (02.01)**
Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, Specification for, **B372 (02.01)**
**UNS C10100 (oxygen-free copper)—pipe/tube**
Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**
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**UNS C10100 (oxygen-free copper)—tube (for condensers/heat exchangers**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Welded Copper Tube for Air Conditioning and Refrigeration Service, Specification for, **B640 (02.01)**
**UNS C10200 (oxygen-free copper (OF))**
Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
Copper Rod Drawing Stock for Electrical Purposes, Specification for, **B49 (02.01)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Coppers, Classification of, **B224 (02.01)**
Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
Oxygen-Free Electrolytic Copper—Refinery Shapes, Specification for, **B170 (02.01)**
Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, Specification for, **B372 (02.01)**
Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, Specification for, **B280 (02.01)**
Seamless Copper Water Tube, Specification for, **B88 (02.01)**
Seamless Copper Water Tube (Metric), Specification for, **B88M (02.01)**
Welded Copper Heat Exchanger Tubes With Internal Enhancement, Specification for, **B919 (02.01)**
**UNS C10200—pipe/tube (seamless/welded)**
Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, Specification for, **B372 (02.01)**
Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**
Seamless Copper Pipe, Standard Sizes, Specification for, **B42 (02.01)**
Seamless Copper Tube, Specification for, **B75/B75M (02.01)**
Seamless Copper Tube in Coils, Specification for, **B743 (02.01)**
Seamless Copper Tube, Bright Annealed, Specification for, **B68/B68M (02.01)**
Welded Copper Tube, Specification for, **B447 (02.01)**
**UNS C10200—tube (for condensers/heat exchangers)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper Tube for Air Conditioning and Refrigeration Service, Specification for, **B640 (02.01)**



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**UNS C10300 (oxygen-free extra low phosphorus copper (OFXLP))**
- Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
- Coppers, Classification of, **B224 (02.01)**
- Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
- Phosphorized Coppers—Refinery Shapes, Specification for, **B379 (02.01)**
- Seamless Copper Tube in Coils, Specification for, **B743 (02.01)**

**UNS C10300—pipe/tube (seamless/welded)**
- Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
- Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, Specification for, **B372 (02.01)**
- Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**
- Seamless Copper Pipe, Standard Sizes, Specification for, **B42 (02.01)**
- Seamless Copper Tube, Specification for, **B75/B75M (02.01)**
- Seamless Copper Tube in Coils, Specification for, **B743 (02.01)**
- Seamless Copper Tube, Bright Annealed, Specification for, **B68/B68M (02.01)**
- Threadless Copper Pipe, Standard Sizes, Specification for, **B302 (02.01)**
- Welded Copper Tube, Specification for, **B447 (02.01)**

**UNS C10300—tube (for condensers/heat exchangers)**
- Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
- Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
- U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

**UNS C10400 (oxygen-free copper with silver, OFS)**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
- Coppers, Classification of, **B224 (02.01)**
- Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
- Oxygen-Free Electrolytic Copper—Refinery Shapes, Specification for, **B170 (02.01)**
- Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**

**UNS C10500 (oxygen-free copper with silver, OFS)**
- Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
- Coppers, Classification of, **B224 (02.01)**
- Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
- Oxygen-Free Electrolytic Copper—Refinery Shapes, Specification for, **B170 (02.01)**
- Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**

**UNS C10700 (oxygen-free copper with silver, OFS)**
- Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
- Coppers, Classification of, **B224 (02.01)**
- Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
- Oxygen-Free Electrolytic Copper—Refinery Shapes, Specification for, **B170 (02.01)**
- Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**

**UNS C10800 (oxygen-free low phosphorus copper (OFLP))**
- Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
- Coppers, Classification of, **B224 (02.01)**
- Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
- Phosphorized Coppers—Refinery Shapes, Specification for, **B379 (02.01)**

**UNS C10800—pipe/tube (seamless/welded)**
- Hard-Drawn Copper Capillary Tube for Restrictor Applications, Specification for, **B360 (02.01)**
- Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
- Seamless Copper Pipe, Standard Sizes, Specification for, **B42 (02.01)**
- Seamless Copper Tube, Specification for, **B75/B75M (02.01)**
- Seamless Copper Tube in Coils, Specification for, **B743 (02.01)**
- Seamless Copper Tube, Bright Annealed, Specification for, **B68/B68M (02.01)**
- Welded Copper Tube, Specification for, **B447 (02.01)**

**UNS C10800—tube (for condensers/heat exchangers)**
- Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
- Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
- U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
- Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C10910 (copper (controlled oxygen))**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**

**UNS C10920 (controlled oxygen)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**

**UNS C10930 (controlled oxygen)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**

**UNS C10940 (controlled oxygen)**
- Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**

**UNS C11000 (electrolytic tough pitch coper (ETP))**
- Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion, Practice for, **G116 (03.02)**
- Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
- Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
- Copper Rod Drawing Stock for Electrical Purposes, Specification for, **B49 (02.01)**
- Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
- Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**
- Coppers, Classification of, **B224 (02.01)**
- High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**



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Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**
Welded Copper Tube, Specification for, **B447 (02.01)**

**UNS C11000—rod/bar/shapes**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**

**UNS C11010**
Coppers, Classification of, **B224 (02.01)**

**UNS C11020 (fire-refined, high-conductivity tough-pitch (FRHC))**
Coppers, Classification of, **B224 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**

**UNS C11040**
Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
Copper Rod Drawing Stock for Electrical Purposes, Specification for, **B49 (02.01)**
Coppers, Classification of, **B224 (02.01)**
Electrolytic Copper Cathode, Specification for, **B115 (02.01)**

**UNS C11100**
Coppers, Classification of, **B224 (02.01)**

**UNS C11300 (silver-bearing tough pitch, STP)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Coppers, Classification of, **B224 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**
Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**

**UNS C11400 (silver-bearing tough pitch, STP)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Coppers, Classification of, **B224 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**
Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**

**UNS C11500 (tough pitch copper with silver (STP))**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Coppers, Classification of, **B224 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**

**UNS C11600 (silver-bearing tough pitch, STP)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Coppers, Classification of, **B224 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**
Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**

**UNS C11700**
Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**

**UNS C12000 (phosphorus deoxidized, low residual phosphorus copper (DLP))**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**
Coppers, Classification of, **B224 (02.01)**
Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**
Phosphorized Coppers—Refinery Shapes, Specification for, **B379 (02.01)**
Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, Specification for, **B280 (02.01)**
Seamless Copper Water Tube, Specification for, **B88 (02.01)**
Seamless Copper Water Tube (Metric), Specification for, **B88M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C12000—pipe/tube (seamless/welded)**
Hard-Drawn Copper Capillary Tube for Restrictor Applications, Specification for, **B360 (02.01)**
Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, Specification for, **B372 (02.01)**
Seamless Copper Bus Pipe and Tube, Specification for, **B188 (02.01)**
Seamless Copper Pipe, Standard Sizes, Specification for, **B42 (02.01)**
Seamless Copper Tube, Specification for, **B75/B75M (02.01)**
Seamless Copper Tube in Coils, Specification for, **B743 (02.01)**
Seamless Copper Tube, Bright Annealed, Specification for, **B68/B68M (02.01)**
Welded Copper Tube, Specification for, **B447 (02.01)**

**UNS C12000—tube (for condensers/heat exchangers)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper Tube for Air Conditioning and Refrigeration Service, Specification for, **B640 (02.01)**

**UNS C12100**
Coppers, Classification of, **B224 (02.01)**

**UNS C12200 (phosphorus deoxidized, high residual phosphorus copper (DHP))**
Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, Specification for, **B187/B187M (02.01)**
Coppers, Classification of, **B224 (02.01)**
Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube, Specification for, **B813 (02.01)**
Seamless Copper Heat Exchanger Tubes With Internal Enhancement, Specification for, **B903 (02.01)**
Seamless Copper Tube for Medical Gas Systems, Specification for, **B819 (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
Welded Copper Heat Exchanger Tubes With Internal Enhancement, Specification for, **B919 (02.01)**
Welded Copper Tube for Air Conditioning and Refrigeration Service, Specification for, **B640 (02.01)**



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**UNS C12200—pipe/tube (seamless/welded)**
Copper Drainage Tube (DWV), Specification for, **B306 (02.01)**
Hard-Drawn Copper Capillary Tube for Restrictor Applications, Specification for, **B360 (02.01)**
Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
Seamless Copper Pipe, Standard Sizes, Specification for, **B42 (02.01)**
Seamless Copper Tube, Specification for, **B75/B75M (02.01)**
Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, Specification for, **B280 (02.01)**
Seamless Copper Tube for Natural Gas and Liquified Petroleum (LP) Gas Fuel Distribution Systems, Specification for, **B837 (02.01)**
Seamless Copper Tube in Coils, Specification for, **B743 (02.01)**
Seamless Copper Tube, Bright Annealed, Specification for, **B68/B68M (02.01)**
Seamless Copper Water Tube, Specification for, **B88 (02.01)**
Seamless Copper Water Tube (Metric), Specification for, **B88M (02.01)**
Threadless Copper Pipe, Standard Sizes, Specification for, **B302 (02.01)**
Welded Copper Tube, Specification for, **B447 (02.01)**

**UNS C12200—refinery shapes**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**
Phosphorized Coppers—Refinery Shapes, Specification for, **B379 (02.01)**

**UNS C12200—tube**
Seamless Copper Tube for Natural Gas and Liquified Petroleum (LP) Gas Fuel Distribution Systems, Specification for, **B837 (02.01)**

**UNS C12200—tube (for condensers/heat exchangers)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
Welded Copper Tube for Air Conditioning and Refrigeration Service, Specification for, **B640 (02.01)**

**UNS C12300 (silver-bearing, high residual phosphorus copper)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Coppers, Classification of, **B224 (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**

**UNS C12500 (fire-refined tough pitch copper, FRTP)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Coppers, Classification of, **B224 (02.01)**
Tough-Pitch Fire-Refined Copper—Refinery Shapes, Specification for, **B216 (02.01)**

**UNS C12900**
Coppers, Classification of, **B224 (02.01)**

**UNS C14200 (phosphorus deoxidized copper, arsenical (DPA))**
Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), Specification for, **B272 (02.01)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**
Detection of Cuprous Oxide (Hydrogen Embrittlement Susceptibility) in Copper, Test Methods for, **B577 (02.01)**
Welded Copper Tube, Specification for, **B447 (02.01)**

**UNS C14200—refinery shapes**
Phosphorized Coppers—Refinery Shapes, Specification for, **B379 (02.01)**

**UNS C14200—tube (for condensers/heat exchangers)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

**UNS C14420 (copper-tellurium-tin alloy)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**

**UNS C14500 (phosphorus deoxidized copper, tellurium bearing)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Coppers, Classification of, **B224 (02.01)**
Free-Cutting Copper Rod, Bar, Wire, and Shapes, Specification for, **B301/B301M (02.01)**

**UNS C14510 (copper-tellurium alloy)**
Free-Cutting Copper Rod, Bar, Wire, and Shapes, Specification for, **B301/B301M (02.01)**

**UNS C14520 (copper-tellurium)**
Coppers, Classification of, **B224 (02.01)**
Free-Cutting Copper Rod, Bar, Wire, and Shapes, Specification for, **B301/B301M (02.01)**
High Conductivity Tough-Pitch Copper Refinery Shapes, Specification for, **B5 (02.01)**
Tough-Pitch Fire-Refined Copper—Refinery Shapes, Specification for, **B216 (02.01)**

**UNS C14530 (copper-tellurium alloy)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper Sheet, Strip, Plate, and Rolled Bar, Specification for, **B152/B152M (02.01)**

**UNS C14700 (sulfur-bearing copper)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Coppers, Classification of, **B224 (02.01)**
Free-Cutting Copper Rod, Bar, Wire, and Shapes, Specification for, **B301/B301M (02.01)**

**UNS C15000**
Coppers, Classification of, **B224 (02.01)**

**UNS C15100 (copper-zirconium alloy)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zirconium Alloy Sheet and Strip, Specification for, **B747 (02.01)**

**UNS C15500 (silver-bearing copper)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

**UNS C17000 (beryllium copper)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Beryllium Alloy (UNS Nos. C17000 and C17200) Forgings and Extrusions, Specification for, **B570 (02.01)**
Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B194 (02.01)**
Copper-Beryllium Alloy Rod and Bar, Specification for, **B196/B196M (02.01)**

**UNS C17200 (beryllium copper)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Beryllium Alloy (UNS Nos. C17000 and C17200) Forg-



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ings and Extrusions, Specification for, **B570 (02.01)**
Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B194 (02.01)**
Copper-Beryllium Alloy Rod and Bar, Specification for, **B196/B196M (02.01)**
Copper-Beryllium Alloy Seamless Tube, Specification for, **B643 (02.01)**
Copper-Beryllium Alloy Wire, Specification for, **B197/B197M (02.01)**

**UNS C17300 (beryllium copper)**
Copper-Beryllium Alloy Rod and Bar, Specification for, **B196/B196M (02.01)**
Copper-Beryllium Alloy Wire, Specification for, **B197/B197M (02.01)**

**UNS C17410 (copper-beryllium alloy)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Strip and Sheet, Specification for, **B768 (02.01)**

**UNS C17450 (copper-beryllium alloy)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Strip and Sheet, Specification for, **B768 (02.01)**

**UNS C17460 (copper-beryllium alloy)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Strip and Sheet, Specification for, **B768 (02.01)**

**UNS C17465**
Copper-Cobalt-Beryllium, Copper-Nickel-Beryllium, and Copper-Nickel-Lead-Beryllium Rod and Bar (UNS Nos. C17500, C17510, and C17465), Specification for, **B441 (02.01)**

**UNS C17500 (beryllium copper)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Beryllium Alloy Forgings and Extrusions Alloys (UNS Nos. C17500 and C17510), Specification for, **B870 (02.01)**
Copper-Beryllium Seamless Tube (UNS Nos. C17500 and C17510), Specification for, **B937 (02.01)**
Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B534 (02.01)**
Copper-Cobalt-Beryllium, Copper-Nickel-Beryllium, and Copper-Nickel-Lead-Beryllium Rod and Bar (UNS Nos. C17500, C17510, and C17465), Specification for, **B441 (02.01)**

**UNS C17510 (beryllium copper)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Beryllium Alloy Forgings and Extrusions Alloys (UNS Nos. C17500 and C17510), Specification for, **B870 (02.01)**
Copper-Beryllium Seamless Tube (UNS Nos. C17500 and C17510), Specification for, **B937 (02.01)**
Copper-Beryllium Welded Heat Exchanger and Condenser Tube (UNS No. C17510), Specification for, **B944 (02.01)**
Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B534 (02.01)**
Copper-Cobalt-Beryllium, Copper-Nickel-Beryllium, and Copper-Nickel-Lead-Beryllium Rod and Bar (UNS Nos. C17500, C17510, and C17465), Specification for, **B441 (02.01)**

**UNS C18080**
Copper-Chromium-Iron-Titanium Alloy Plate, Sheet, Strip and Rolled Bar, Specification for, **B936 (02.01)**

**UNS C18700 (leaded copper)**
Free-Cutting Copper Rod, Bar, Wire, and Shapes, Specification for, **B301/B301M (02.01)**

**UNS C19002**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C19010**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C19015**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C19020**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C19025 (high copper alloy, NB109)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C19200—tube (seamless) for condensers/heat exchangers**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

**UNS C19200 (high copper alloy)**
Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B465 (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C19210**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B465 (02.01)**

**UNS C19400—tube (welded)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**



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**UNS C19400 (high copper alloy)**
- Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
- Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**
- Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B465 (02.01)**
- Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C19500 (high copper alloy)**
- Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
- Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B465 (02.01)**

**UNS C19700 (copper alloy)**
- Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
- Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B465 (02.01)**

**UNS C19720**
- Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B465 (02.01)**

**UNS C21000 (brass, gilding 95%)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
- Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
- Brass Wire, Specification for, **B134/B134M (02.01)**
- Welded Brass Tube, Specification for, **B587 (02.01)**

**UNS C22000 (commercial bronze, 80%)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
- Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
- Brass Wire, Specification for, **B134/B134M (02.01)**
- Commercial Bronze Strip for Bullet Jackets, Specification for, **B130 (02.01)**
- Copper Alloy Bullet Jacket Cups, Specification for, **B131 (02.01)**
- Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

**UNS C22000—tube (seamless/welded)**
- Seamless Brass Tube, Specification for, **B135 (02.01)**
- Seamless Brass Tube Metric, Specification for, **B135M (02.01)**
- Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, Specification for, **B372 (02.01)**
- Welded Brass Tube, Specification for, **B587 (02.01)**

**UNS C22600 (jewelry bronze)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
- Brass Wire, Specification for, **B134/B134M (02.01)**

**UNS C23000 (red brass, 85%)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
- Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
- Brass Strip in Narrow Widths and Light Gage for Heat-Exchanger Tubing, Specification for, **B569 (02.01)**
- Brass Wire, Specification for, **B134/B134M (02.01)**
- Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
- Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
- U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
- Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C23000—electromagnetic shielding copper**
- Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

**UNS C23000—pipe/tube (seamless/welded)**
- Seamless Brass Tube, Specification for, **B135 (02.01)**
- Seamless Brass Tube Metric, Specification for, **B135M (02.01)**
- Seamless Copper and Copper Alloy Plumbing Pipe and Tube, Classification for, **B698 (02.01)**
- Seamless Red Brass Pipe, Standard Sizes, Specification for, **B43 (02.01)**
- U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
- Welded Brass Tube, Specification for, **B587 (02.01)**
- Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C23000—tube (for condensers/heat exchangers)**
- Brass Strip in Narrow Widths and Light Gage for Heat-Exchanger Tubing, Specification for, **B569 (02.01)**
- Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
- Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**

**UNS C23400**
- Brass Wire, Specification for, **B134/B134M (02.01)**

**UNS C24000 (low brass, 80 %)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
- Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
- Brass Wire, Specification for, **B134/B134M (02.01)**

**UNS C26000 (cartridge brass, 70%)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
- Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
- Brass Strip in Narrow Widths and Light Gage for Heat-Exchanger Tubing, Specification for, **B569 (02.01)**
- Brass Wire, Specification for, **B134/B134M (02.01)**
- Cartridge Brass Cartridge Case Cups, Specification for, **B129 (02.01)**
- Cartridge Brass Sheet, Strip, Plate, Bar, and Disks, Specification for, **B19 (02.01)**
- Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

**UNS C26000—corrosion by engine coolants**
- Corrosion Test for Engine Coolants in Glassware, Test Method for, **D1384 (15.05)**
- Simulated Service Corrosion Testing of Engine Coolants, Test Method for, **D2570 (15.05)**
- Testing Engine Coolants in Car and Light Truck Service, Practice for, **D2847 (15.05)**

**UNS C26000—tube**
- Seamless Brass Tube, Specification for, **B135 (02.01)**
- Seamless Brass Tube Metric, Specification for, **B135M (02.01)**
- Welded Brass Tube, Specification for, **B587 (02.01)**

**UNS C26130 (arsenic inhibited cartridge brass)**
- Brass Strip in Narrow Widths and Light Gage for Heat-Exchanger Tubing, Specification for, **B569 (02.01)**

**UNS C26800 (yellow brass, 66 %)**
- Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**



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Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
Welded Brass Tube, Specification for, **B587 (02.01)**

**UNS C27000 (yellow brass, 65%)**
Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
Brass Wire, Specification for, **B134/B134M (02.01)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**
Welded Brass Tube, Specification for, **B587 (02.01)**

**UNS C27200 (brass)**
Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**
Welded Brass Tube, Specification for, **B587 (02.01)**

**UNS C27400 (yellow brass, 63 %)**
Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
Brass Wire, Specification for, **B134/B134M (02.01)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**

**UNS C27450**
Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C27451**
Brass Rod, Bar, and Shapes, Specification for, **B927/B927M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C28000 (Muntz metal, 60 %)**
Brass Plate, Sheet, Strip, And Rolled Bar, Specification for, **B36/B36M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**

**UNS C31400 (hardware bronze; leaded commercial bronze)**
Copper-Zinc-Lead (Red Brass or Hardware Bronze) Rod, Bar, and Shapes, Specification for, **B140/B140M (02.01)**

**UNS C31600 (hardware bronze; leaded commercial bronze)**
Copper-Zinc-Lead (Red Brass or Hardware Bronze) Rod, Bar, and Shapes, Specification for, **B140/B140M (02.01)**

**UNS C32000 (hardware bronze; leaded red brass)**
Copper-Zinc-Lead (Red Brass or Hardware Bronze) Rod, Bar, and Shapes, Specification for, **B140/B140M (02.01)**

**UNS C33000 (low leaded brass)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**

**UNS C33200 (high leaded brass)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**

**UNS C33500 (low leaded brass)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C34000 (medium leaded brass, 64.5%)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C34200 (high leaded brass, 64.5%)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C34500 (leaded brass)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**

**UNS C35000 (leaded brass)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C35300 (high leaded brass, 62%)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C35330**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**

**UNS C35340 (leaded brass)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C35350**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**

**UNS C35600 (extra high leaded brass)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, Specification for, **B453/B453M (02.01)**
Leaded Brass Plate, Sheet, Strip, and Rolled Bar, Specification for, **B121/B121M (02.01)**

**UNS C36000 (free-cutting brass)**
Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines, Specification for, **B16/B16M (02.01)**

**UNS C36010**
Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines, Specification for, **B16/B16M (02.01)**

**UNS C36300**
Low Leaded Brass Rod, Bar and Shapes, Specification for, **B981/B981M (02.01)**

**UNS C36500 (leaded Muntz metal, uninhibited)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Low Leaded Brass Rod, Bar and Shapes, Specification for, **B981/B981M (02.01)**

**UNS C37000 (free-cutting Muntz metal)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Low Leaded Brass Rod, Bar and Shapes, Specification for, **B981/B981M (02.01)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**

**UNS C37100**
Low Leaded Brass Rod, Bar and Shapes, Specification for, **B981/B981M (02.01)**

**UNS C37700 (forging brass)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Low Leaded Brass Rod, Bar and Shapes, Specification for, **B981/B981M (02.01)**



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**UNS C38000 (leaded brass)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Extruded Shapes, Specification for, **B455 (02.01)**
**UNS C38500 (architectural bronze)**
Copper-Zinc-Lead Alloy (Leaded-Brass) Extruded Shapes, Specification for, **B455 (02.01)**
**UNS C40500 (tin brass)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C40810 (tin brass)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C40850 (tin brass)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C40860 (tin brass)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C41100 (tin brass)**
Copper Alloy Strip for Flexible Metal Hose, Specification for, **B508 (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C41300 (tin brass)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C41500 (tin brass)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C42200 (tin brass)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C42500 (tin brass)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C42520 (tin brass)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C42600**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
**UNS C43000 (tin brass)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C43400 (tin brass)**
Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, Specification for, **B591 (02.01)**
**UNS C44300 (admiralty, arsenical)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Seamless Brass Tube, Specification for, **B135 (02.01)**
Seamless Brass Tube Metric, Specification for, **B135M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**
**UNS C44300 (admiralty, arsenical)—tube**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
**UNS C44400 (admiralty, antimonial (Cu-Zn-Sn))**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
**UNS C44500 (admiralty, phosphorized (Cu-Zn-Sn))**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**
**UNS C44500 (admiralty, phosphorized (Cu-Zn-Sn))—tube**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
**UNS C46200 (naval brass, 63.5%)**
Naval Brass Rod, Bar, and Shapes, Specification for, **B21/B21M (02.01)**
**UNS C46400 (naval brass, uninhibited)**
Balls, Bearings, Ferrous and Nonferrous for Use in Bearings, Valves, and Bearing Applications, Specification for, **F2215 (01.08)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Naval Brass Rod, Bar, and Shapes, Specification for, **B21/B21M (02.01)**
**UNS C46500 (naval brass, arsenical)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
**UNS C46750**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
General Requirements for Wrought Copper and Copper-Alloy



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Rod, Bar, Shapes and Forgings, Specification for, **B249/B249M (02.01)**
Naval Brass Rod, Bar, and Shapes, Specification for, **B21/B21M (02.01)**

**UNS C47940 (Brass alloy)**
Naval Brass Rod, Bar, and Shapes, Specification for, **B21/B21M (02.01)**

**UNS C48200 (naval brass, medium leaded)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Naval Brass Rod, Bar, and Shapes, Specification for, **B21/B21M (02.01)**

**UNS C48500 (naval brass, high leaded)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Naval Brass Rod, Bar, and Shapes, Specification for, **B21/B21M (02.01)**

**UNS C48600**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C49250**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**
Free-Cutting Bismuth Brass Rod, Bar and Wire, Specification for, **B974/B974M (02.01)**

**UNS C49255**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**

**UNS C49260**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**
Free-Cutting Bismuth Brass Rod, Bar and Wire, Specification for, **B974/B974M (02.01)**

**UNS C49300**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**

**UNS C49340**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**
Free-Cutting Bismuth Brass Rod, Bar and Wire, Specification for, **B974/B974M (02.01)**

**UNS C49350**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**

**UNS C49355**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**

**UNS C49360**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, Specification for, **B967/B967M (02.01)**

**UNS C50500 (phosphor bronze, 1.25% E)**
Copper Alloy Strip for Flexible Metal Hose, Specification for, **B508 (02.01)**

**UNS C50580**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

**UNS C50700 (phosphor bronze)**
Hard-Drawn Copper Alloy Wires for Electric Conductors, Specification for, **B105 (02.03)**

**UNS C50780**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

**UNS C51000 (phosphor bronze, 5% A)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Hard-Drawn Copper Alloy Wires for Electric Conductors, Specification for, **B105 (02.03)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**
Phosphor Bronze Rod, Bar, and Shapes, Specification for, **B139/B139M (02.01)**
Phosphor Bronze Wire, Specification for, **B159/B159M (02.01)**
Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, Specification for, **B100 (02.01)**

**UNS C51080**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

**UNS C51100 (phosphor bronze)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**
Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, Specification for, **B100 (02.01)**

**UNS C51180**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**

**UNS C51900 (phosphor bronze)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**

**UNS C51980**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**



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**UNS C52100 (phosphor bronze, 8% C)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**
Phosphor Bronze Rod, Bar, and Shapes, Specification for, **B139/B139M (02.01)**
Phosphor Bronze Wire, Specification for, **B159/B159M (02.01)**

**UNS C52180**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**

**UNS C52400 (phosphor bronze, 10% D)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**
Phosphor Bronze Rod, Bar, and Shapes, Specification for, **B139/B139M (02.01)**
Phosphor Bronze Wire, Specification for, **B159/B159M (02.01)**

**UNS C52480**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

**UNS C53400 (phosphor bronze B-1)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**
Phosphor Bronze Rod, Bar, and Shapes, Specification for, **B139/B139M (02.01)**

**UNS C54400 (phosphor bronze B-2)**
Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, Specification for, **B103/B103M (02.01)**
Phosphor Bronze Rod, Bar, and Shapes, Specification for, **B139/B139M (02.01)**

**UNS C60800 (aluminum bronze)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

**UNS C61300 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Aluminum Bronze Sheet, Strip, and Rolled Bar, Specification for, **B169/B169M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, Specification for, **B100 (02.01)**

**UNS C61300 (aluminum bronze)—pipe/tube**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Seamless Copper Alloy Pipe and Tube, Specification for, **B315 (02.01)**
Welded Copper-Alloy Pipe, Specification for, **B608 (02.01)**

**UNS C61400 (aluminum bronze D)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Aluminum Bronze Sheet, Strip, and Rolled Bar, Specification for, **B169/B169M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, Specification for, **B100 (02.01)**

**UNS C61400 (aluminum bronze D)—pipe/tube**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Seamless Copper Alloy Pipe and Tube, Specification for, **B315 (02.01)**
Welded Copper-Alloy Pipe, Specification for, **B608 (02.01)**

**UNS C61900 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C62300 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C62400, C62410 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**

**UNS C63000 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**

**UNS C63020 (copper alloy)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Seamless Copper Alloy Pipe and Tube, Specification for, **B315 (02.01)**

**UNS C63200 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**

**UNS C63800 (aluminum bronze)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C64200 (aluminum bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C64210 (aluminum-silicon bronze)**
Aluminum Bronze Rod, Bar, and Shapes, Specification for, **B150/B150M (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**



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**UNS C64700 (silicon bronze)**
Copper-Nickel-Silicon Alloy Rod and Bar, Specification for, **B411/B411M (02.01)**

**UNS C64725**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C64785**
Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

**UNS C65100 (low silicon bronze B)**
Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels, Specification for, **B96/B96M (02.01)**
Copper-Silicon Alloy Rod, Bar and Shapes, Specification for, **B98/B98M (02.01)**
Copper-Silicon Alloy Wire for General Applications, Specification for, **B99/B99M (02.01)**
Hard-Drawn Copper Alloy Wires for Electric Conductors, Specification for, **B105 (02.03)**
Seamless Copper Alloy Pipe and Tube, Specification for, **B315 (02.01)**

**UNS C65400 (silicon bronze)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels, Specification for, **B96/B96M (02.01)**

**UNS C65500 (high silicon bronze A)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels, Specification for, **B96/B96M (02.01)**
Copper-Silicon Alloy Rod, Bar and Shapes, Specification for, **B98/B98M (02.01)**
Copper-Silicon Alloy Wire for General Applications, Specification for, **B99/B99M (02.01)**
Seamless Copper Alloy Pipe and Tube, Specification for, **B315 (02.01)**
Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, Specification for, **B100 (02.01)**

**UNS C66100 (silicon bronze)**
Copper-Silicon Alloy Rod, Bar and Shapes, Specification for, **B98/B98M (02.01)**

**UNS C66300 (misc. copper-zinc alloy)**
Copper-Zinc-Aluminum-Cobalt Alloy, Copper-Zinc-Tin-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B592 (02.01)**

**UNS C66400 copper alloy**
Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

**UNS C66410 (misc. copper-zinc alloy)**
Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

**UNS C66430**
Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

**UNS C67000 (manganese bronze B)**
Manganese Bronze Rod, Bar, and Shapes, Specification for, **B138/B138M (02.01)**

**UNS C67500 (manganese bronze A)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Manganese Bronze Rod, Bar, and Shapes, Specification for, **B138/B138M (02.01)**

**UNS C67600 (leaded manganese bronze)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Manganese Bronze Rod, Bar, and Shapes, Specification for, **B138/B138M (02.01)**

**UNS C68700 (aluminum brass, aresenical)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C68800 (copper alloy)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Zinc-Aluminum-Cobalt Alloy, Copper-Zinc-Tin-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B592 (02.01)**

**UNS C69100 (copper alloy)**
Seamless Copper Alloy (UNS No. C69100) Pipe and Tube, Specification for, **B706 (02.01)**

**UNS C69150**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**

**UNS C69300**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Zinc-Silicon Alloy Rod, Specification for, **B371/B371M (02.01)**

**UNS C69400 (silicon red brass)**
Copper-Zinc-Silicon Alloy Rod, Specification for, **B371/B371M (02.01)**

**UNS C69430 (silicon red brass)**
Copper-Zinc-Silicon Alloy Rod, Specification for, **B371/B371M (02.01)**

**UNS C69700 (leaded silicon brass)**
Copper-Zinc-Silicon Alloy Rod, Specification for, **B371/B371M (02.01)**

**UNS C69710 (leaded silicon brass)**
Copper-Zinc-Silicon Alloy Rod, Specification for, **B371/B371M (02.01)**

**UNS C70250 (copper-nickel)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**



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Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C70260 (copper-nickel)**

Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C70265**

Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C70310**

Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**

Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, Specification for, **B422/B422M (02.01)**

**UNS C70400 (copper-nickel, 5 %)**

Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**

Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**

Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**

U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C70600 (Cu-Ni, 10%)**

Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**

Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C70600 (Cu-Ni)—pipe/tube (seamless/welded)**

Seamless and Welded Copper–Nickel Tubes for Water Desalting Plants, Specification for, **B552 (02.01)**

Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**

Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

Welded Copper-Nickel Pipe, Specification for, **B467 (02.01)**

**UNS C70600 (Cu-Ni)—rod/bar**

Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C70600 (Cu-Ni)—tube (for condensers/heat exchangers)**

Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**

Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**

U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

**UNS C70620 (90/10 Cu-Ni welding rod composition)**

Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

Seamless and Welded Copper–Nickel Tubes for Water Desalting Plants, Specification for, **B552 (02.01)**

Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C70620—90/10 Cu-Ni welding grade**

Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**

Welded Copper-Alloy Pipe, Specification for, **B608 (02.01)**

Welded Copper-Nickel Pipe, Specification for, **B467 (02.01)**

**UNS C70620 (90/10 Cu-Ni welding rod)**

Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**

Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**

Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**

Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**

U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C70690 (copper nickel)**

Electronic Grade Alloys of Copper and Nickel in Wrought Forms, Specification for, **F96 (10.04)**

**UNS C71000**

Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, Specification for, **B694 (02.01)**

Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**

Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C71000—pipe and tube**

Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**

**UNS C71000—tube (for condensers/heat exchangers)**

Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**

Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**

U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**



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**UNS C71500**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C71500—pipe/tube (seamless/welded)**
Seamless and Welded Copper–Nickel Tubes for Water Desalting Plants, Specification for, **B552 (02.01)**
Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
Welded Copper-Nickel Pipe, Specification for, **B467 (02.01)**

**UNS C71500—rod/bar**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C71500—tube (for condensers/heat exchangers)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**

**UNS C71520—70/30 Cu-Ni welding grade**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Welded Copper-Alloy Pipe, Specification for, **B608 (02.01)**

**UNS C71520 (70/30 copper-nickel (welding rod composition))**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**
Seamless and Welded Copper–Nickel Tubes for Water Desalting Plants, Specification for, **B552 (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**
Welded Copper-Nickel Pipe, Specification for, **B467 (02.01)**

**UNS C71520 (70/30 Cu-Ni welding rod)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**
Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C71580 (copper nickel)**
Electronic Grade Alloys of Copper and Nickel in Wrought Forms, Specification for, **F96 (10.04)**

**UNS C71590 (copper nickel)**
Electronic Grade Alloys of Copper and Nickel in Wrought Forms, Specification for, **F96 (10.04)**

**UNS C71640 (copper-nickel)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Seamless and Welded Copper–Nickel Tubes for Water Desalting Plants, Specification for, **B552 (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C71700**
Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B534 (02.01)**

**UNS C72200 (copper nickel)**
Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, Specification for, **B111/B111M (02.01)**
Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, Specification for, **B171/B171M (02.01)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**
Seamless Copper-Nickel Pipe and Tube, Specification for, **B466/B466M (02.01)**
Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, Specification for, **B956/B956M (02.01)**

**UNS C72200 (copper nickel)—tube**
Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, Specification for, **B359/B359M (02.01)**
Seamless and Welded Copper–Nickel Tubes for Water Desalting Plants, Specification for, **B552 (02.01)**
U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, Specification for, **B395/B395M (02.01)**
Welded Copper and Copper-Alloy Heat Exchanger Tube, Specification for, **B543/B543M (02.01)**

**UNS C72500 (copper nickel)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

**UNS C72650 (copper-nickel tin alloy)**
Copper-Nickel-Tin Spinodal Alloy Strip, Specification for, **B740 (02.01)**

**UNS C72700 (copper-nickel tin spinoidal alloy)**
Copper-Nickel-Tin Spinodal Alloy Strip, Specification for, **B740 (02.01)**

**UNS C72900 (copper-nickel tin spinodal alloy)**
Copper-Nickel-Tin Spinodal Alloy Rod and Bar, Specification for, **B929 (02.01)**
Copper-Nickel-Tin Spinodal Alloy Strip, Specification for, **B740 (02.01)**

**UNS C73500 (nickel silver)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

**UNS C74000 (nickel silver)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

**UNS C74500 (nickel silver)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**
Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**

**UNS C74500 (nickel silver)—rod/bar**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C75200 (nickel silver)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**



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Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**

**UNS C75200 (nickel silver)—rod/bar**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C75700 (nickel silver, 65-12)**
Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C76200 (nickel silver)**
Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, Specification for, **B888/B888M (02.01)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**

**UNS C76400 (nickel silver)**
Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**

**UNS C76400 (nickel silver)—rod/bar**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C77000 (nickel silver)**
Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, Specification for, **B122/B122M (02.01)**
Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**

**UNS C77000 (nickel silver)—rod/bar**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C77400 (nickel silver)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C79200 (leaded nickel silver)**
Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, Specification for, **B206/B206M (02.01)**
Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, Specification for, **B151/B151M (02.01)**

**UNS C81400 (cast chromium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82000 (cast beryllium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82200 (cast beryllium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82400 (cast beryllium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82500 (cast beryllium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82510 (copper-beryllium alloy)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82600 (cast beryllium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C82800 (cast beryllium copper)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**

**UNS C83450 (leaded red brass)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C83470**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C83600 (cast leaded red brass)**
Composition Bronze or Ounce Metal Castings, Specification for, **B62 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C83800 (cast leaded red brass)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C84020**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C84030**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C84200 (cast semi-red brass)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C84400 (cast semi-red brass)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C84800 (cast semi-red brass)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C85200 (cast leaded yellow brass)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**



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Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C85400 (cast leaded yellow brass)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C85470**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C85700 (cast leaded yellow brass)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C85800 (cast leaded yellow brass)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**

**UNS C86100 (cast manganese bronze)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C86200 (cast manganese bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C86300 (cast manganese bronze)**
Bronze Castings for Bridges and Turntables, Specification for, **B22/B22M (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C86400 (cast leaded manganese bronze)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C86500 (cast manganese bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C86700 (cast leaded manganese bronze)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C87300 (copper silicon alloy)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C87400 (cast silicon brass)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C87500 (cast silicon brass)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C87600 (cast silicon brass)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C87610 (cast leaded tin bronze)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C87610 (cast silicon brass)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C87700**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**



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**UNS C87710**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper and Copper Alloy Forging Rod, Bar, and Shapes, Specification for, **B124/B124M (02.01)**
Copper and Copper-Alloy Die Forgings (Hot-Pressed), Specification for, **B283/B283M (02.01)**

**UNS C87800 (cast silicon bronze)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**

**UNS C87845**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C87850**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89320 (cast Cu-Sn-Bi bronze alloy (magnolia B-1 lead-free bronze))**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89510**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89520 (cast Cu-Sn-Zn-Bi-Se alloy, SeBiLOY II)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89530**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89535**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89537**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89540**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89570**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89720**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89833**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89836**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C89844 (cast Cu-Zn-Sn-Bi alloy)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C90300 (cast tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C90420**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C90500 (cast tin bronze)**
Bronze Castings for Bridges and Turntables, Specification for, **B22/B22M (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C90700 (cast tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Gear Bronze Alloy Castings, Specification for, **B427 (02.01)**

**UNS C90800 (cast tin bronze)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Gear Bronze Alloy Castings, Specification for, **B427 (02.01)**

**UNS C91000 (cast tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C91100 (cast tin bronze)**
Bronze Castings for Bridges and Turntables, Specification for, **B22/B22M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C91300 (cast tin bronze)**
Bronze Castings for Bridges and Turntables, Specification for, **B22/B22M (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C91600 (cast tin bronze)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Gear Bronze Alloy Castings, Specification for, **B427 (02.01)**



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**UNS C91700 (cast tin bronze)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Gear Bronze Alloy Castings, Specification for, **B427 (02.01)**
**UNS C92200 (cast leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
Steam or Valve Bronze Castings, Specification for, **B61 (02.01)**
**UNS C92210 (cast leaded tin bronze)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C92300 (cast leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C92500 (cast leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C92600 (cast leaded tin bronze)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C92700 (cast leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C92800 (cast leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C92900 (leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Gear Bronze Alloy Castings, Specification for, **B427 (02.01)**
**UNS C93200 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C93400 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C93500 (cast high-leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C93600 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C93700 (cast high-leaded tin bronze)**
Bronze Castings for Bridges and Turntables, Specification for, **B22/B22M (02.01)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C93800 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C93900 (cast high-leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C94000 (cast high-leaded tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C94100 (cast high-leaded tin bronze)**
Car and Tender Journal Bearings, Lined, Specification for, **B67 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C94300 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C94400 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**



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**UNS C94500 (cast high-leaded tin bronze)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C94700 (cast nickel-tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C94800 (cast nickel-tin bronze)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C94900 (cast nickel-tin bronze)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C95200 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95300 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95400 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Bronze Castings for Steam Locomotive Wearing Parts, Specification for, **B66 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95410 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95500 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95520 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95600 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C95700 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**

**UNS C95800 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Permanent Mold Castings for General Applications, Specification for, **B806 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C95820**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**

**UNS C95900 (cast aluminum bronze)**
Aluminum-Bronze Sand Castings, Specification for, **B148 (02.01)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**

**UNS C96200 (cast copper-nickel)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Nickel Alloy Castings, Specification for, **B369 (02.01)**

**UNS C96400 (cast copper nickel)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Nickel Alloy Castings, Specification for, **B369 (02.01)**

**UNS C96700 (cast copper nickel)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Beryllium Alloy Sand Castings for General Applications, Specification for, **B770 (02.01)**



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**UNS C96800 (cast copper nickel)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C96900**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
**UNS C96970**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
**UNS C97300 (cast nickel-silver)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C97600 (cast nickel silver)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C97800 (cast nickel-silver)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for General Applications, Specification for, **B584 (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Base Alloy Centrifugal Castings, Specification for, **B271/B271M (02.01)**
**UNS C99400 (cast copper alloy)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C99500 (cast copper alloy)**
Copper Alloy Continuous Castings, Specification for, **B505/B505M (02.01)**
Copper Alloy Sand Castings for Valve Applications, Specification for, **B763/B763M (02.01)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
**UNS C99700 (cast copper alloy)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**
**UNS C99750 (cast copper alloy)**
Copper Alloys in Ingot Form, Specification for, **B30 (02.01)**
Copper-Alloy Die Castings, Specification for, **B176 (02.01)**
**Unsealed torsion shear cure meters**
Rubber Property—Vulcanization Using Rotorless Cure Meters, Test Method for, **D5289 (09.01)**
**Unseasoned/untreated lumber**
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**Unseating load**
Metal Doors Used in Blast Resistant Applications (Equivalent Static Load Method), Test Method for, **F2247 (15.08)**
**UNS G10080 (carbon steel)**
Balls, Bearings, Ferrous and Nonferrous for Use in Bearings, Valves, and Bearing Applications, Specification for, **F2215 (01.08)**
Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion, Practice for, **G116 (03.02)**
**UNS G10100 (carbon steel)**
Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion, Practice for, **G116 (03.02)**
**UNS G10220 (carbon steel)**
Balls, Bearings, Ferrous and Nonferrous for Use in Bearings, Valves, and Bearing Applications, Specification for, **F2215 (01.08)**
**UNS G51986 (Cr alloy steel)**
Balls, Bearings, Ferrous and Nonferrous for Use in Bearings, Valves, and Bearing Applications, Specification for, **F2215 (01.08)**
**UNS G52986 (Cr alloy steel)**
Balls, Bearings, Ferrous and Nonferrous for Use in Bearings, Valves, and Bearing Applications, Specification for, **F2215 (01.08)**
**Unsharpness**
Appearances of Radiographic Images as Certain Parameters are Changed, Reference Radiographs for, **E242 (03.03)**
**Unshielded eddy current probes**
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**Unsintered PTFE (polytetrafluoroethylene)**
Standard Test Methods for Unsintered Polytetrafluoroethylene (PTFE) Extruded Film or Tape, Guide to, **D6040 (08.03)**
Unsintered Pigmented Polytetrafluoroethylene (PTFE) Extruded Film or Tape, Specification for, **D7193 (08.03)**
Unsintered Polytetrafluoroethylene (PTFE) Extruded Film or Tape, Specification for, **D6585 (08.03)**
**UNS J93371 (duplex alloy steel casting, 3A)**
Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application, Specification for, **A890/A890M (01.02)**
**UNS J93372 (cast duplex Cr-Ni-Cu-Mo-N stainless steel)**
Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application, Specification for, **A890/A890M (01.02)**
**UNS K91800 (iron, chromium sealing alloy)**
Chromium-Iron Sealing Alloys with 18 or 28 Percent Chromium, Specification for, **F256 (10.04)**
**UNS K92650 (Fe-Co soft magnetic alloy)**
Wrought Iron-Cobalt High Magnetic Saturation Alloys (UNS R30005 and K92650), Specification for, **A801 (03.04)**
**UNS K92801 (iron, chromium sealing alloy)**
Chromium-Iron Sealing Alloys with 18 or 28 Percent Chromium, Specification for, **F256 (10.04)**
**UNS K93050 (Fe-Ni low expansion alloy, Invar FC)**
Iron-Nickel and Iron-Nickel-Cobalt Alloys for Low Thermal Expansion Applications, Specification for, **F1684 (10.04)**
**UNS K93500 (Fe-Ni-Co low expansion alloy, Super Invar)**
Iron-Nickel and Iron-Nickel-Cobalt Alloys for Low Thermal Expansion Applications, Specification for, **F1684 (10.04)**
**UNS K93603 (Fe-Ni low expansion alloy, Invar)**
Iron-Nickel and Iron-Nickel-Cobalt Alloys for Low Thermal Expansion Applications, Specification for, **F1684 (10.04)**
**UNS K94490 (Fe-Ni ferromagnetic alloy)**
Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080), Specification for, **A753 (03.04)**
**UNS K94610 (Fe-Ni-Co sealing alloy, KOVAR)**
Iron-Nickel-Cobalt Sealing Alloy, Specification for, **F15 (10.04)**
**UNS K94620 (Fe-Ni-Co, metal-to-ceramic sealing alloy)**
Iron-Nickel-Cobalt Alloys for Metal-to-Ceramic Sealing Applications, Specification for, **F1466 (10.04)**
**UNS K94630 (Fe-Ni-Co, metal-to-ceramic sealing alloy)**
Iron-Nickel-Cobalt Alloys for Metal-to-Ceramic Sealing Applications, Specification for, **F1466 (10.04)**
**UNS K94760 (iron, nickel-chromium sealing alloy)**
Nickel-Chromium-Iron Sealing Alloys, Specification for, **F31 (10.04)**



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**UNS K94840 (Fe-Ni ferromagnetic alloy)**
Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080), Specification for, **A753 (03.04)**
**UNS L01951 (cadmium metal, 99.95 Cd)**
Cadmium, Specification for, **B440 (02.04)**
**UNS L01971 (cadmium metal, 99.99 Cd)**
Cadmium, Specification for, **B440 (02.04)**
**UNS L01981 (cadmium metal, 99.995 Cd)**
Cadmium, Specification for, **B440 (02.04)**
**UNS L13840 (white metal bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L13870 (white metal bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L13890 (white metal bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L13910 (white metal bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L13911 (modern pewter casting alloys)**
Modern Pewter Alloys, Specification for, **B560 (02.04)**
**UNS L13912 (modern pewter sheet alloy)**
Modern Pewter Alloys, Specification for, **B560 (02.04)**
**UNS L13963 (modern pewter)**
Modern Pewter Alloys, Specification for, **B560 (02.04)**
**UNS L53346 (lead-base bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L53565 (lead-base white metal bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L53585 (lead-base white metal bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS L53620 (lead-base bearing alloy)**
White Metal Bearing Alloys, Specification for, **B23 (02.04)**
**UNS M10100 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M10410 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Die Castings, Specification for, **B94 (02.02)**
**UNS M10600 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Die Castings, Specification for, **B94 (02.02)**
**UNS M11311 (magnesium alloy)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Magnesium-Alloy Sheet and Plate, Specification for, **B90/B90M (02.02)**
**UNS M11312 (magnesium alloy)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**
Magnesium-Alloy Sheet and Plate, Specification for, **B90/B90M (02.02)**
**UNS M11610 (magnesium alloy)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
**UNS M11630 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M11800 (magnesium alloy, casting)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M11910 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Die Castings, Specification for, **B94 (02.02)**
**UNS M11912 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Die Castings, Specification for, **B94 (02.02)**
**UNS M11914 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M11920 (magnesium alloy, casting)**
Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, Specification for, **B93/B93M (02.02)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M12330 (magnesium alloy, casting)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M13210 (magnesium alloy)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Magnesium-Alloy Sheet and Plate, Specification for, **B90/B90M (02.02)**
**UNS M13310 (magnesium alloy, casting)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
Magnesium-Alloy Sheet and Plate, Specification for, **B90/B90M (02.02)**
**UNS M13320 (magnesium alloy, casting)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**
**UNS M14141 (magnesium alloy)**
Magnesium-Alloy Sheet and Plate, Specification for, **B90/B90M (02.02)**



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**UNS M15100 (magnesium alloy)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**

**UNS M16100 (magnesium alloy)**
Magnesium-Alloy Sheet and Plate, Specification for, **B90/B90M (02.02)**

**UNS M16400 (magnesium alloy)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**

**UNS M16410 (magnesium alloy, casting)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M16510 (magnesium alloy, casting)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M16600 (magnesium alloy)**
Flexivity of Thermostat Metals, Test Methods for, **B106 (02.04)**
Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, Specification for, **B107/B107M (02.02)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**

**UNS M16610 (magnesium alloy, casting)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M16620 (magnesium alloy, casting)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M16630 (magnesium alloy, casting)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M18010 (magnesium alloy, casting)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M18220 (magnesium alloy, casting)**
Magnesium-Alloy Investment Castings, Specification for, **B403 (02.02)**
Magnesium-Alloy Permanent Mold Castings, Specification for, **B199 (02.02)**
Magnesium-Alloy Sand Castings, Specification for, **B80 (02.02)**

**UNS M19980 (magnesium remelt alloy)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Unalloyed Magnesium Ingot and Stick For Remelting, Specification for, **B92/B92M (02.02)**

**UNS M19990 (magnesium remelt alloy)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Unalloyed Magnesium Ingot and Stick For Remelting, Specification for, **B92/B92M (02.02)**

**UNS M19991 (magnesium remelt alloy)**
Unalloyed Magnesium Ingot and Stick For Remelting, Specification for, **B92/B92M (02.02)**

**UNS M19995 (magnesium remelt alloy)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Unalloyed Magnesium Ingot and Stick For Remelting, Specification for, **B92/B92M (02.02)**

**UNS M19998 (magnesium remelt alloy)**
Magnesium-Alloy Forgings, Specification for, **B91 (02.02)**
Unalloyed Magnesium Ingot and Stick For Remelting, Specification for, **B92/B92M (02.02)**

**UNS N02200 (commercially pure Ni alloy, Nickel 200)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel Plate, Sheet, and Strip, Specification for, **B162 (02.04)**
Nickel Rod and Bar, Specification for, **B160 (02.04)**
Nickel Seamless Pipe and Tube, Specification for, **B161 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Pipe, Specification for, **B725 (02.04)**
Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Tube, Specification for, **B730 (02.04)**

**UNS N02201 (commercially pure Ni alloy, Nickel 201)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Plate, Sheet, and Strip, Specification for, **B162 (02.04)**
Nickel Rod and Bar, Specification for, **B160 (02.04)**
Nickel Seamless Pipe and Tube, Specification for, **B161 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Pipe, Specification for, **B725 (02.04)**
Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Tube, Specification for, **B730 (02.04)**

**UNS N02211 (nickel alloy, solution strengthened, Nickel 211)**
Round Wire for Winding Electron Tube Grid Laterals, Specification for, **F290 (10.04)**

**UNS N03300 (Ni alloy, Permanickel 300)**
Round Wire for Winding Electron Tube Grid Laterals, Specification for, **F290 (10.04)**

**UNS N04400 (Ni-Cu alloy, Monel 400)**
Electronic Grade Alloys of Copper and Nickel in Wrought Forms, Specification for, **F96 (10.04)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip, Specification for, **B127 (02.04)**
Nickel-Copper Alloy (UNS N04400) Seamless Pipe and Tube, Specification for, **B165 (02.04)**
Nickel-Copper Alloy Rod, Bar, and Wire, Specification for, **B164 (02.04)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Pipe, Specification for, **B725 (02.04)**
Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Tube, Specification for, **B730 (02.04)**

**UNS N04404 (nickel-copper alloys)**
Electronic Grade Alloys of Copper and Nickel in Wrought Forms, Specification for, **F96 (10.04)**
Iron-Nickel Sealing Alloys, Specification for, **F30 (10.04)**

**UNS N04405 (Ni-Cu alloy solution strengthened (Monel R405))**
Nickel-Copper Alloy Rod, Bar, and Wire, Specification for, **B164 (02.04)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**

**UNS N05500 (Ni-Cu alloy, Monel K500)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Precipitation Hardening Nickel-Copper-Aluminum Alloy, Specification for, **B865 (02.04)**



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**UNS N06002 (Ni-Cr alloy, Hastelloy X)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip, Specification for, **B435 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Rod, Specification for, **B572 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N06007 (Ni-Cr alloy, Hastelloy G)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip, Specification for, **B582 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod, Specification for, **B581 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N06022 (Ni-Cr-Mo alloy, Hastelloy C-22)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Determining the Crevice Repassivation Potential of Corrosion-Resistant Alloys Using a Potentiodynamic-Galvanostatic-Potentiostatic Technique, Test Method for, **G192 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N06025 (Ni-Cr-Fe-Al alloy, Nicofer 6025 HT)**
Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, Specification for, **B546 (02.04)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel-Chromium-Iron Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Tubes, Specification for, **B516 (02.04)**
Welded Nickel-Chromium-Iron-Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Pipe, Specification for, **B517 (02.04)**
**UNS N06030 (wrought Ni-Cr-Fe-Mo-Cu alloy, Hastelloy G-30)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip, Specification for, **B582 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod, Specification for, **B581 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N06045 (Ni-Cr-Fe-Si alloy, Nicrofer 45)**
Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, Specification for, **B546 (02.04)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674)



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Seamless Pipe and Tube, Specification for, **B167 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel-Chromium-Iron Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Tubes, Specification for, **B516 (02.04)**
Welded Nickel-Chromium-Iron-Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Pipe, Specification for, **B517 (02.04)**

**UNS N06058 (low-carbon Ni-Cr-Mo alloy)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**

**UNS N06059 (low carbon Ni-Cr-Mo alloy, Alloy 59)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06060 (Ni-Cr-Mo-Fe alloy)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**

**UNS N06110 (austenitic corrosion resistant Ni alloy, Allcorr)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Chromium-Molybdenum-Tungsten Alloy, Specification for, **B756 (02.04)**
Nickel-Chromium-Molybdenum-Tungsten Alloys, Specification for, **B759 (02.04)**
Nickel-Chromium-Molybdenum-Tungsten Alloys, Specification for, **B758 (02.04)**
Nickel-Chromium-Molybdenum-Tungsten Alloys, Specification for, **B755 (02.04)**
Nickel-Chromium-Molybdenum-Tungsten-Alloys, Specification for, **B757 (02.04)**

**UNS N06200 (Ni-Cr-Mo-Cu alloy, Hastelloy C-2000)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06210 (Ni-Cr-Mo-Ta alloy, Hastelloy C-2000)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06219 (Ni-Cr-Mo-Si alloy, Nicrofer 6219Si)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Alloy (UNS N06625, N06219 and N08825) Welded Pipe, Specification for, **B705 (02.04)**
Nickel-Chromium-Molybdenum-Columbium Alloy, Specification for, **B443 (02.04)**
Nickel-Chromium-Molybdenum-Columbium Alloys, Specification for, **B444 (02.04)**
Welded UNS N06625, UNS N06219 and UNS N08825 Alloy Tubes, Specification for, **B704 (02.04)**

**UNS N06230 (Ni-Cr-W-Mo alloy, Alloy No. 230)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Rod, Specification for, **B572 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06250 (Ni-Cr-Fe-Mo alloy, SM2050)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**

**UNS N06255 (Ni-Cr-Fe-Mo-W alloy, SM2550)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**

**UNS N06333 (Ni-Cr alloy, RA 333)**
Nickel-Chromium-Molybdenum-Cobalt-Tungsten-, Specification for, **B719 (02.04)**
Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Plate, Sheet, and Strip, Specification for, **B718 (02.04)**
Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Seamless Pipe and Tube, Specification for, **B722 (02.04)**
Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Pipe, Specification for, **B723 (02.04)**



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Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Tube, Specification for, **B726 (02.04)**

**UNS N06455 (Ni-Cr alloy, Hastelloy C-4)**

Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**

Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**

Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**

Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**

Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**

Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**

Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06464 (Ni-Cr-Mo-Gd alloy)**

Low-Carbon Nickel-Chromium-Molybdenum-Gadolinium Alloy Plate, Sheet, and Strip, Specification for, **B932 (02.04)**

**UNS N06600 (Ni-Cr alloy, Inconel 600)**

Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**

Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**

General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**

Nickel Alloy Forgings, Specification for, **B564 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**

Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**

Welded Nickel-Chromium-Iron Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Tubes, Specification for, **B516 (02.04)**

Welded Nickel-Chromium-Iron-Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Pipe, Specification for, **B517 (02.04)**

**UNS N06601 (Ni-Cr alloy, Inconel 601)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**

Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**

**UNS N06603 (Ni-Cr-Fe-Al-C alloy, 603GT)**

Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, Specification for, **B546 (02.04)**

Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**

Nickel Alloy Forgings, Specification for, **B564 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**

Welded Nickel-Chromium-Iron Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Tubes, Specification for, **B516 (02.04)**

Welded Nickel-Chromium-Iron-Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Pipe, Specification for, **B517 (02.04)**

**UNS N06617 (Ni-Cr alloy, Inconel 617)**

Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, Specification for, **B546 (02.04)**

Nickel Alloy Forgings, Specification for, **B564 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**

Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**

**UNS N06625**

Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion, Specification for, **F3056 (10.04)**

Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**

Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**

General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**

Nickel Alloy Forgings, Specification for, **B564 (02.04)**

Nickel-Alloy (UNS N06625, N06219 and N08825) Welded Pipe,



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Specification for, **B705 (02.04)**
Nickel-Chromium-Molybdenum-Columbium Alloy, Specification for, **B443 (02.04)**
Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625), Nickel-Chromium-Molybdenum-Silicon Alloy (UNS N06219), and Nickel-Chromium-Molybdenum-Tungsten Alloy (UNS N06650) Rod and Bar, Specification for, **B446 (02.04)**
Nickel-Chromium-Molybdenum-Columbium Alloys, Specification for, **B444 (02.04)**
Pressure Consolidated Powder Metallurgy Iron-Nickel-Chromium-Molybdenum (UNS N08367) and Nickel-Chromium-Molybdenum-Columbium (Nb) (UNS N06625) Alloy Pipe Flanges, Fittings, Valves, and Parts, Specification for, **B834 (02.04)**
Welded UNS N06625, UNS N06219 and UNS N08825 Alloy Tubes, Specification for, **B704 (02.04)**

**UNS N06686 (Ni-Cr-Mo-W alloy, Inconel 686)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06690 (Ni-Cr alloy, Inconel 690)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**

**UNS N06693 (Ni-Cr-Fe-Al-CB alloy, Inconel 693)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, Specification for, **B168 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, Specification for, **B166 (02.04)**
Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, Specification for, **B167 (02.04)**

**UNS N06920 (Ni-Cr-Fe-Mo-W alloy, Hastelloy H-9M)**
Nickel-Chromium-Iron-Molybdenum-Tungsten Alloy, Specification for, **B814 (02.04)**

**UNS N06975 (Ni-Cr alloy, Hastelloy G-2)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip, Specification for, **B582 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod, Specification for, **B581 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N06985 (Ni-Cr alloy ERNiCrMo-9, Hastelloy G-3)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip, Specification for, **B582 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod, Specification for, **B581 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N07001 (Ni-Cr alloy, Waspaloy)**
Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Temperature Service, Specification for, **B637 (02.04)**

**UNS N07080 (Ni-Cr alloy, Nimonic 80A)**
Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Temperature Service, Specification for, **B637 (02.04)**

**UNS N07252 (Ni-Cr alloy, M252)**
Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Temperature Service, Specification for, **B637 (02.04)**

**UNS N07500 (Ni-Cr alloy, Udimet 500)**
Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Temperature Service, Specification for, **B637 (02.04)**

**UNS N07716 (Ni-Cr alloy)**
Precipitation Hardening Nickel Alloys Bar and Wire, Specification for, **B805 (02.04)**

**UNS N07718**
Additive Manufacturing Nickel Alloy (UNS N07718) with Powder Bed Fusion, Specification for, **F3055 (10.04)**
Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Temperature Service, Specification for, **B637 (02.04)**
Precipitation-Hardening Bolting (UNS N07718) for High Temperature Service, Specification for, **A1014/A1014M (01.01)**
Precipitation-Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Strip for High-Temperature Service, Specification for, **B670 (02.04)**

**UNS N07725 (Ni-Cr-Mo alloy, Inconel 725)**
Precipitation Hardening Nickel Alloys Bar and Wire, Specification for, **B805 (02.04)**

**UNS N07750 (Ni-Cr alloy, Inconel X750)**
Precipitation-Hardening and Cold Worked Nickel Alloy Bars, Forgings, and Forging Stock for Moderate or High Tempera-



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ture Service, Specification for, **B637 (02.04)**

**UNS N07773 (Ni-Cr-Fe-Cb-Mo alloy, PH3)**
Precipitation Hardening Nickel Alloys Bar and Wire, Specification for, **B805 (02.04)**

**UNS N07776 (Ni-Cr-Mo-Fe-Cb-W alloy, PH6)**
Precipitation Hardening Nickel Alloys Bar and Wire, Specification for, **B805 (02.04)**

**UNS N08020 (Ni-Fe-Cr alloy, Carpenter 20Cb3)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications, Specification for, **A358/A358M (01.01)**
Evaluating Stress-Corrosion Cracking of Stainless Alloys with Different Nickel Content in Boiling Acidified Sodium Chloride Solution, Test Method for, **G123 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Nickel Alloy Billets and Bars for Reforging, Specification for, **B472 (02.04)**
UNS N08020 Alloy Plate, Sheet, and Strip, Specification for, **B463 (02.04)**
UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Bar and Wire, Specification for, **B473 (02.04)**
Welded UNS N08020 Alloy Tubes, Specification for, **B468 (02.04)**

**UNS N08020 (Ni-Fe-Cr alloy, Carpenter 20Cb3)—pipe**
Electric Fusion Welded Nickel and Nickel Alloy Pipe, Specification for, **B474 (02.04)**
Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel-Alloy Pipe and Tube, Specification for, **B729 (02.04)**
Welded UNS N08020 Alloy Pipe, Specification for, **B464 (02.04)**

**UNS N08020 (Ni-Fe-Cr alloy, Carpenter 20Cb3)—wire**
UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Round Weaving Wire, Specification for, **B475 (02.04)**

**UNS N08024 (Cr-Ni-Fe-Mo-Cu alloy, columbium stabilized)**
Electric Fusion Welded Nickel and Nickel Alloy Pipe, Specification for, **B474 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
Nickel Alloy Billets and Bars for Reforging, Specification for, **B472 (02.04)**
Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel-Alloy Pipe and Tube, Specification for, **B729 (02.04)**
UNS N08020 Alloy Plate, Sheet, and Strip, Specification for, **B463 (02.04)**
UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Bar and Wire, Specification for, **B473 (02.04)**
UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Round Weaving Wire, Specification for, **B475 (02.04)**
Welded UNS N08020 Alloy Pipe, Specification for, **B464 (02.04)**
Welded UNS N08020 Alloy Tubes, Specification for, **B468 (02.04)**

**UNS N08026 (Ni-Cr wrought alloy, Carpenter 20Mo6)**
Electric Fusion Welded Nickel and Nickel Alloy Pipe, Specification for, **B474 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
Nickel Alloy Billets and Bars for Reforging, Specification for, **B472 (02.04)**
Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel-Alloy Pipe and Tube, Specification for, **B729 (02.04)**
UNS N08020 Alloy Plate, Sheet, and Strip, Specification for, **B463 (02.04)**
UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Bar and Wire, Specification for, **B473 (02.04)**
UNS N08020, UNS N08024, and UNS N08026 Nickel Alloy Round Weaving Wire, Specification for, **B475 (02.04)**
Welded UNS N08020 Alloy Pipe, Specification for, **B464 (02.04)**
Welded UNS N08020 Alloy Tubes, Specification for, **B468 (02.04)**

**UNS N08028 (Ni-Fe-Cr alloy, Sanicro 28)**
Iron-Nickel-Chromium-Molybdenum Alloy (UNS N08028) Plate, Sheet, and Strip, Specification for, **B709 (02.04)**
UNS N08028 Seamless Pipe and Tube, Specification for, **B668 (02.04)**

**UNS N08031 (Ni-Fe-Cr-Mo-Cu, Alloy No. 31)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloys (UNS N08925, UNS N08031, UNS N08354, and UNS N08926), and Cr-Ni-Fe-N Low-Carbon Alloy (UNS R20033) Bar and Wire, and Ni-Cr-Fe-Mo-N Alloy (UNS N08936) Wire, Specification for, **B649 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod, Specification for, **B581 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, Specification for, **B625 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N08110**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**

**UNS N08120 (Ni-Fe-Cr alloy, HR-120)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B409 (02.04)**
Nickel-Iron-Chromium Alloy Rod and Bar, Specification for, **B408 (02.04)**
Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, Specification for, **B407 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel-Iron-Chromium Alloy Pipe, Specification for, **B514 (02.04)**
Welded UNS N08120, UNS N08800, UNS N08810, and UNS N08811 Alloy Tubes, Specification for, **B515 (02.04)**



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**UNS N08135 (Ni-Fe-Cr-Mo-W alloy, SM2035)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**

**UNS N08221 (Ni-Fe-Cr-Cu alloy)**
Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Plate, Sheet, and Strip, Specification for, **B424 (02.04)**
Nickel-Iron-Chromium-Molybdenum-Copper Alloy, Specification for, **B423 (02.04)**
Specification for Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Rod and Bar, Specification for, **B425 (02.04)**

**UNS N08320 (Ni-Fe-Cr alloy, Haynes No. 20 Mod)**
Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Plate, Sheet, and Strip, Specification for, **B620 (02.04)**
Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Rod, Specification for, **B621 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS N08330 (Ni-Fe-Cr alloy, RA 330)**
Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, Specification for, **B546 (02.04)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel-Chromium-Silicon Alloy (UNS N08330) Billets and Bars, Specification for, **B512 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes, Specification for, **B511 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Welded Pipe, Specification for, **B710 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Welded Tube, Specification for, **B739 (02.04)**
Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip, Specification for, **B536 (02.04)**
Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Seamless Pipe and Tube, Specification for, **B535 (02.04)**

**UNS N08332 (Ni-Fe-Cr-Si alloy, RA 330TX)**
Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, Specification for, **B546 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes, Specification for, **B511 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Welded Pipe, Specification for, **B710 (02.04)**
Nickel-Iron-Chromium-Silicon Alloy Welded Tube, Specification for, **B739 (02.04)**
Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip, Specification for, **B536 (02.04)**
Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Seamless Pipe and Tube, Specification for, **B535 (02.04)**

**UNS N08366 (Ni-Fe-Cr alloy, AL-6X)**
Chromium-Nickel-Molybdenum-Iron (UNS N08366 and UNS N08367) Plate, Sheet, and Strip, Specification for, **B688 (02.04)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Rod, Bar, and Wire, Specification for, **B691 (02.04)**
Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Seamless Pipe and Tube, Specification for, **B690 (02.04)**
UNS N08367 Welded Pipe, Specification for, **B675 (02.04)**

**UNS N08367 (Cr-Ni-Mo-N alloy, AL 6XN)**
Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, Specification for, **A240/A240M (01.03)**
Chromium-Nickel-Molybdenum-Iron (UNS N08366 and UNS N08367) Plate, Sheet, and Strip, Specification for, **B688 (02.04)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Rod, Bar, and Wire, Specification for, **B691 (02.04)**
Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Seamless Pipe and Tube, Specification for, **B690 (02.04)**
Nickel Alloy Billets and Bars for Reforging, Specification for, **B472 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Pressure Consolidated Powder Metallurgy Iron-Nickel-Chromium-Molybdenum (UNS N08367) and Nickel-Chromium-Molybdenum-Columbium (Nb) (UNS N06625) Alloy Pipe Flanges, Fittings, Valves, and Parts, Specification for, **B834 (02.04)**
UNS N08367 and UNS N08926 Welded Pipe, Specification for, **B804 (02.04)**
UNS N08367 Welded Pipe, Specification for, **B675 (02.04)**
UNS N08367 Welded Tube, Specification for, **B676 (02.04)**

**UNS N08535 (Ni-Cr-Mo-Fe-Cu alloy)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**

**UNS N08700 (Fe-Ni-Cr alloy, JS 700)**
Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Bar and Wire, Specification for, **B672 (02.04)**
Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Plate, Sheet, and Strip, Specification for, **B599 (02.04)**

**UNS N08800 (Fe-Ni-Cr alloy, Incoloy 800)**
Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, Specification for, **A240/A240M (01.03)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications, Specification for, **A358/A358M (01.01)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B409 (02.04)**
Nickel-Iron-Chromium Alloy Rod and Bar, Specification for, **B408 (02.04)**



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Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, Specification for, **B407 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel-Iron-Chromium Alloy Pipe, Specification for, **B514 (02.04)**
Welded UNS N08120, UNS N08800, UNS N08810, and UNS N08811 Alloy Tubes, Specification for, **B515 (02.04)**

**UNS N08801 (Fe-Ni-Cr alloy, Incoloy 801))**
Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, Specification for, **B407 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**

**UNS N08810 (Fe-Ni-Cr alloy, Incoloy 800H)**
Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, Specification for, **A240/A240M (01.03)**
Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications, Specification for, **A358/A358M (01.01)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B409 (02.04)**
Nickel-Iron-Chromium Alloy Rod and Bar, Specification for, **B408 (02.04)**
Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, Specification for, **B407 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Welded Nickel-Iron-Chromium Alloy Pipe, Specification for, **B514 (02.04)**
Welded UNS N08120, UNS N08800, UNS N08810, and UNS N08811 Alloy Tubes, Specification for, **B515 (02.04)**

**UNS N08811 (wrought Ni-Fe-Cr alloy, Incoloy 800HT)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B409 (02.04)**
Nickel-Iron-Chromium Alloy Rod and Bar, Specification for, **B408 (02.04)**
Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, Specification for, **B407 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**

**UNS N08825 (Ni-Fe-Cr alloy, Incoloy 825)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Plate, Sheet, and Strip, Specification for, **B424 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Alloy (UNS N06625, N06219 and N08825) Welded Pipe, Specification for, **B705 (02.04)**
Nickel-Iron-Chromium-Molybdenum-Copper Alloy, Specification for, **B423 (02.04)**
Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, Specification for, **B163 (02.04)**
Specification for Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Rod and Bar, Specification for, **B425 (02.04)**
Welded UNS N06625, UNS N06219 and UNS N08825 Alloy Tubes, Specification for, **B704 (02.04)**

**UNS N08904 (Ni-Cr-Mo alloy)**
Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, Specification for, **A240/A240M (01.03)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloys (UNS N08925, UNS N08031, UNS N08354, and UNS N08926), and Cr-Ni-Fe-N Low-Carbon Alloy (UNS R20033) Bar and Wire, and Ni-Cr-Fe-Mo-N Alloy (UNS N08936) Wire, Specification for, **B649 (02.04)**
UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, Specification for, **B625 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Seamless Pipe and Tube, Specification for, **B677 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Welded Pipe, Specification for, **B673 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Welded Tube, Specification for, **B674 (02.04)**

**UNS N08925 (Ni-Fe-Cr-Mo-Cu-low-carbon alloy)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
General Requirements for Nickel and Nickel Alloy Welded Tube, Specification for, **B751 (02.04)**
Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloys (UNS N08925, UNS N08031, UNS N08354, and UNS N08926), and Cr-Ni-Fe-N Low-Carbon Alloy (UNS R20033) Bar and Wire, and Ni-Cr-Fe-Mo-N Alloy (UNS N08936) Wire, Specification for, **B649 (02.04)**
UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, Specification for, **B625 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Seamless Pipe and Tube, Specification for, **B677 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Welded Pipe, Specification for, **B673 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Welded Tube, Specification for, **B674 (02.04)**

**UNS N08926 (Ni-Fe-Cr-Mo-Cu-N alloy, low C, N modified)**
Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, Specification for, **A240/A240M (01.03)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloys (UNS N08925, UNS N08031, UNS N08354, and UNS N08926), and Cr-Ni-Fe-N Low-Carbon Alloy (UNS R20033) Bar and Wire, and Ni-Cr-Fe-Mo-N Alloy (UNS N08936) Wire, Specification for, **B649 (02.04)**
Nickel Alloy Billets and Bars for Reforging, Specification for, **B472 (02.04)**
UNS N08367 and UNS N08926 Welded Pipe, Specification for, **B804 (02.04)**
UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, Specification for, **B625 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Seamless Pipe and Tube, Specification for, **B677 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Welded Pipe, Specification for, **B673 (02.04)**
UNS N08925, UNS N08354, and UNS N08926 Welded Tube, Specification for, **B674 (02.04)**

**UNS N08932 (Ni-Fe-Cr-Mo-Cu low C alloy, Creusot UR SB 8)**
UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, Specification for, **B625 (02.04)**

**UNS N09008 (Ni-Fe-Cr-Nb-Ti-Al alloy, Incoloy alloy 908)**
Precipitation-Hardening Nickel Alloys Plate, Sheet, and Strip, Specification for, **B872 (02.04)**



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**UNS N09777 (Ni-Fe-Cr-Mo-Ti alloy, PH7)**
Precipitation Hardening Nickel Alloys Bar and Wire, Specification for, **B805 (02.04)**
**UNS N10001 (Ni-Mo alloy, Hastelloy B)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel-Molybdenum Alloy Plate, Sheet, and Strip, Specification for, **B333 (02.04)**
Nickel-Molybdenum Alloy Rod, Specification for, **B335 (02.04)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Round Wire for Winding Electron Tube Grid Laterals, Specification for, **F290 (10.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N10002 (Ni-Mo alloy, Hastelloy C)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
**UNS N10003 (Ni-Mo alloy, Hastelloy N)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel-Molybdenum-Chromium-Iron Alloys (UNS N10003, N10242) Rod, Specification for, **B573 (02.04)**
Nickel-Molybdenum-Chromium-Iron Alloys (UNS N10003, UNS N10242) Plate, Sheet, and Strip, Specification for, **B434 (02.04)**
**UNS N10242 (Ni-Mo-Cr alloy, Haynes 242)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
**UNS N10276 (Ni-Mo alloy, Hastelloy C276)**
Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, Test Methods for, **G28 (03.02)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, Low-Carbon Nickel-Chromium-Molybdenum-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Tungsten, and Low-Carbon Nickel-Molybdenum-Chromium Alloy Plate, Sheet, and Strip, Specification for, **B575 (02.04)**
Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, Specification for, **B574 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution, Test Methods for, **G48 (03.02)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N10624 (low carbon Ni-Mo-Cr-Fe alloy, B-10)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N10629 (Ni-Mo alloy, B-4)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Molybdenum Alloy Plate, Sheet, and Strip, Specification for, **B333 (02.04)**
Nickel-Molybdenum Alloy Rod, Specification for, **B335 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N10665 (Ni-Mo alloy, Hastelloy B-2)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Nickel-Molybdenum Alloy Plate, Sheet, and Strip, Specification for, **B333 (02.04)**
Nickel-Molybdenum Alloy Rod, Specification for, **B335 (02.04)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N10675 (Ni-Mo-Cr-Fe alloy, Hastelloy B-3)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**
**UNS N12160 (Ni-Co-Cr-Si alloy, HR-160)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip, Specification for, **B435 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Rod, Specification for, **B572 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**



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**UNS N14052 (nickel-iron alloy)**
Iron-Nickel Sealing Alloys, Specification for, **F30 (10.04)**
**UNS N14076 (Ni-Fe ferromagnetic alloy)**
Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080), Specification for, **A753 (03.04)**
**UNS N14080 (Ni-Fe ferromagnetic alloy)**
Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080), Specification for, **A753 (03.04)**
**UNS P00691 (gold electrical contact alloy)**
Gold-Silver-Platinum Electrical Contact Alloy, Specification for, **B522 (02.04)**
**UNS P00692 (gold electrical contact alloy)**
Gold-Silver-Platinum Electrical Contact Alloy, Specification for, **B522 (02.04)**
**UNS P00710 (gold electrical contact alloy)**
Gold Electrical Contact Alloy, Specification for, **B541 (02.04)**
**UNS P00750 (gold electrical contact alloy)**
Gold-Silver-Nickel Electrical Contact Alloy, Specification for, **B477 (02.04)**
**UNS P00901 (gold electrical contact alloy)**
Gold-Copper Alloy Electrical Contact Material, Specification for, **B596 (02.04)**
**UNS P03350 (palladium electrical contact alloy)**
Palladium Electrical Contact Alloy, Specification for, **B540 (02.04)**
**UNS P03440 (palladium electrical contact alloy)**
Palladium-Silver-Copper Electrical Contact Alloy, Specification for, **B563 (02.04)**
**UNS P03995 (refined palladium - 99.95 % grade)**
Refined Palladium, Specification for, **B589 (02.04)**
**UNS P04995 (refined platinum - 99.95 % grade)**
Refined Platinum, Specification for, **B561 (02.04)**
**UNS P05980 (rhodium - 99.80 % grade)**
Refined Rhodium, Specification for, **B616 (02.04)**
**UNS P05981 (refined rhodium - 99.90 % grade)**
Refined Rhodium, Specification for, **B616 (02.04)**
**UNS P05982 (refined rhodium - 99.95 % grade)**
Refined Rhodium, Specification for, **B616 (02.04)**
**UNS P06100 (refined iridium - 99.80 % grade)**
Refined Iridium, Specification for, **B671 (02.04)**
**UNS P07010 (refined silver - 99.99 % grade)**
Refined Silver, Specification for, **B413 (02.04)**
**UNS P07015 (refined silver - 99.95 % grade)**
Refined Silver, Specification for, **B413 (02.04)**
**UNS P07016 (silver)**
Brazing Filler Metals for Electron Devices, Specification for, **F106 (10.04)**
**UNS P07020 (refined silver - 99.90 % grade)**
Refined Silver, Specification for, **B413 (02.04)**
**UNS P07900 (silver electrical contact alloy)**
Coin Silver Electrical Contact Alloy, Specification for, **B617 (02.04)**
**UNS R03600 (Mo, unalloyed)**
Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, Specification for, **B387 (02.04)**
Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, Specification for, **B386 (02.04)**
**UNS R03603 (molybdenum)**
Molybdenum Flattened Wire for Electron Tubes, Specification for, **F364 (10.04)**
**UNS R03604 (molybdenum)**
Molybdenum Flattened Wire for Electron Tubes, Specification for, **F364 (10.04)**
**UNS R03610 (Mo, unalloyed)**
Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, Specification for, **B387 (02.04)**
Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, Specification for, **B386 (02.04)**
**UNS R03620 (Mo alloy)**
Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, Specification for, **B387 (02.04)**
Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, Specification for, **B386 (02.04)**
**UNS R03630 (Mo alloy)**
Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, Specification for, **B387 (02.04)**
Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, Specification for, **B386 (02.04)**
**UNS R03640 (Mo alloy)**
Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, Specification for, **B387 (02.04)**
Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, Specification for, **B386 (02.04)**
**UNS R03650 (Mo unalloyed, low carbon)**
Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, Specification for, **B387 (02.04)**
Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, Specification for, **B386 (02.04)**
**UNS R04200 (Nb (Cb), unalloyed, reactor grade)**
Niobium and Niobium Alloy Bar, Rod, and Wire, Specification for, **B392 (02.04)**
Niobium and Niobium Alloy Ingots, Specification for, **B391 (02.04)**
Niobium and Niobium Alloy Seamless and Welded Tubes, Specification for, **B394 (02.04)**
Niobium and Niobium Alloy Strip, Sheet, and Plate, Specification for, **B393 (02.04)**
**UNS R04210 (Nb (Cb), unalloyed, commercial grade)**
Niobium and Niobium Alloy Bar, Rod, and Wire, Specification for, **B392 (02.04)**
Niobium and Niobium Alloy Ingots, Specification for, **B391 (02.04)**
Niobium and Niobium Alloy Seamless and Welded Tubes, Specification for, **B394 (02.04)**
Niobium and Niobium Alloy Strip, Sheet, and Plate, Specification for, **B393 (02.04)**
**UNS R04251 (Nb (Cb)-Zr, reactor grade)**
Niobium and Niobium Alloy Bar, Rod, and Wire, Specification for, **B392 (02.04)**
Niobium and Niobium Alloy Ingots, Specification for, **B391 (02.04)**
Niobium and Niobium Alloy Seamless and Welded Tubes, Specification for, **B394 (02.04)**
Niobium and Niobium Alloy Strip, Sheet, and Plate, Specification for, **B393 (02.04)**
**UNS R04261 (Nb (Cb)-Zr, commercial grade)**
Niobium and Niobium Alloy Bar, Rod, and Wire, Specification for, **B392 (02.04)**
Niobium and Niobium Alloy Ingots, Specification for, **B391 (02.04)**
Niobium and Niobium Alloy Seamless and Welded Tubes, Specification for, **B394 (02.04)**
Niobium and Niobium Alloy Strip, Sheet, and Plate, Specification for, **B393 (02.04)**
**UNS R04295 (Nb-Cb alloy)**
Niobium-Hafnium Alloy Bar and Wire, Specification for, **B655/B655M (02.04)**
Niobium-Hafnium Alloy Foil, Sheet, Strip, and Plate, Specification for, **B654/B654M (02.04)**
Niobium-Hafnium Alloy Ingots, Specification for, **B652/B652M (02.04)**
**UNS R05200 (Ta, unalloyed, cast)**
Tantalum and Tantalum Alloy Ingots, Specification for, **B364 (02.04)**
Tantalum and Tantalum Alloy Plate, Sheet, and Strip, Specification for, **B708 (02.04)**
Tantalum and Tantalum Alloy Rod and Wire, Specification for, **B365 (02.04)**
Tantalum and Tantalum Alloy Seamless and Welded Tubes,



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Specification for, **B521 (02.04)**
Unalloyed Tantalum for Surgical Implant Applications (UNS R05200, UNS R05400), Specification for, **F560 (13.01)**

**UNS R05240 (TA-40 Nb (Cb) alloy)**
Tantalum and Tantalum Alloy Plate, Sheet, and Strip, Specification for, **B708 (02.04)**
Tantalum and Tantalum Alloy Rod and Wire, Specification for, **B365 (02.04)**
Tantalum and Tantalum Alloy Seamless and Welded Tubes, Specification for, **B521 (02.04)**

**UNS R05252 (97.5 Ta-2.5W)**
Tantalum and Tantalum Alloy Ingots, Specification for, **B364 (02.04)**
Tantalum and Tantalum Alloy Plate, Sheet, and Strip, Specification for, **B708 (02.04)**
Tantalum and Tantalum Alloy Rod and Wire, Specification for, **B365 (02.04)**
Tantalum and Tantalum Alloy Seamless and Welded Tubes, Specification for, **B521 (02.04)**

**UNS R05255 (90Ta-10W)**
Tantalum and Tantalum Alloy Ingots, Specification for, **B364 (02.04)**
Tantalum and Tantalum Alloy Plate, Sheet, and Strip, Specification for, **B708 (02.04)**
Tantalum and Tantalum Alloy Rod and Wire, Specification for, **B365 (02.04)**
Tantalum and Tantalum Alloy Seamless and Welded Tubes, Specification for, **B521 (02.04)**

**UNS R05400 (Ta, unalloyed, sintered)**
Tantalum and Tantalum Alloy Ingots, Specification for, **B364 (02.04)**
Tantalum and Tantalum Alloy Plate, Sheet, and Strip, Specification for, **B708 (02.04)**
Tantalum and Tantalum Alloy Rod and Wire, Specification for, **B365 (02.04)**
Tantalum and Tantalum Alloy Seamless and Welded Tubes, Specification for, **B521 (02.04)**
Unalloyed Tantalum for Surgical Implant Applications (UNS R05200, UNS R05400), Specification for, **F560 (13.01)**

**UNS R07005 (tungsten)**
Round Wire for Winding Electron Tube Grid Laterals, Specification for, **F290 (10.04)**
Tungsten Wire for Electron Devices and Lamps, Specification for, **F288 (10.04)**

**UNS R07031 (tungsten/rhenium alloy)**
Tungsten-Rhenium Alloy Wire for Electron Devices and Lamps, Specification for, **F73 (10.04)**

**UNS R20033 (Cr-Ni-Fe-Mo austenitic stainless steel, Alloy 33)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, Specification for, **B462 (02.04)**
Ni-Fe-Cr-Mo-Cu-N Low-Carbon Alloys (UNS N08925, UNS N08031, UNS N08354, and UNS N08926), and Cr-Ni-Fe-N Low-Carbon Alloy (UNS R20033) Bar and Wire, and Ni-Cr-Fe-Mo-N Alloy (UNS N08936) Wire, Specification for, **B649 (02.04)**
Nickel Alloy Billets and Bars for Reforging, Specification for, **B472 (02.04)**
Nickel Alloy Forgings, Specification for, **B564 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, Specification for, **B625 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS R20500 (chromium-nickel alloy)**
Castings, Chromium-Nickel Alloy, Specification for, **A560/A560M (01.02)**

**UNS R20600 (chromium-nickel alloy)**
Castings, Chromium-Nickel Alloy, Specification for, **A560/A560M (01.02)**

**UNS R20990 (chromium metal)**
Chromium Metal, Specification for, **A481 (01.02)**

**UNS R20994 (chromium metal)**
Chromium Metal, Specification for, **A481 (01.02)**

**UNS R30003**
Wrought Seamless and Welded and Drawn Cobalt Alloy Small Diameter Tubing for Surgical Implants (UNS R30003, UNS R30008, UNS R30035, UNS R30605, and UNS R31537), Specification for, **F2527 (13.02)**

**UNS R30005 (Co-Ni-Cr-Mo alloy, MP-35-N)**
Wrought Iron-Cobalt High Magnetic Saturation Alloys (UNS R30005 and K92650), Specification for, **A801 (03.04)**

**UNS R30008**
Wrought Seamless and Welded and Drawn Cobalt Alloy Small Diameter Tubing for Surgical Implants (UNS R30003, UNS R30008, UNS R30035, UNS R30605, and UNS R31537), Specification for, **F2527 (13.02)**

**UNS R30035 (Co-Ni-Cr-Mo alloy, MP-35-N)**
35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Forgings for Surgical Implants (UNS R30035), Specification for, **F961 (13.01)**
Wrought 35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy for Surgical Implant Applications (UNS R30035), Specification for, **F562 (13.01)**
Wrought Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Plate, Sheet, and Foil for Surgical Implants (UNS R30035), Specification for, **F688 (13.01)**
Wrought Seamless and Welded and Drawn Cobalt Alloy Small Diameter Tubing for Surgical Implants (UNS R30003, UNS R30008, UNS R30035, UNS R30605, and UNS R31537), Specification for, **F2527 (13.02)**

**UNS R3003 (cobalt alloy)**
Wrought 40Cobalt-20Chromium-16Iron-15Nickel-7Molybdenum Alloy Wire and Strip for Surgical Implant Applications (UNS R30003 and UNS R30008), Specification for, **F1058 (13.01)**

**UNS R30075 (Co-Cr-Mo alloy)**
Cobalt-28 Chromium-6 Molybdenum Alloy Castings and Casting Alloy for Surgical Implants (UNS R30075), Specification for, **F75 (13.01)**
Cobalt-28Chromium-6Molybdenum Powder for Coating of Orthopedic Implants (UNS R30075), Specification for, **F1377 (13.01)**

**UNS R3008 (cobalt alloy)**
Wrought 40Cobalt-20Chromium-16Iron-15Nickel-7Molybdenum Alloy Wire and Strip for Surgical Implant Applications (UNS R30003 and UNS R30008), Specification for, **F1058 (13.01)**

**UNS R30155 (Fe-Cr-Ni-Co alloy)**
Precipitation Hardening Cobalt-Containing Alloys (UNS R30155 and UNS R30816) Rod, Bar, Forgings, and Forging Stock for High-Temperature Service, Specification for, **B639 (02.04)**

**UNS R30556 (Fe-Cr-Ni-Co alloy, HS 556)**
Factory-Made Wrought Nickel and Nickel Alloy Fittings, Specification for, **B366 (02.04)**
Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, Specification for, **B622 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip, Specification for, **B435 (02.04)**
UNS N06002, UNS N06230, UNS N12160, and UNS R30556



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Rod, Specification for, **B572 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Pipe, Specification for, **B619 (02.04)**
Welded Nickel and Nickel-Cobalt Alloy Tube, Specification for, **B626 (02.04)**

**UNS R30605 (Co-Cr-Ni-W alloy, L-605)**
Wrought Cobalt-20Chromium-15Tungsten-10Nickel Alloy for Surgical Implant Applications (UNS R30605), Specification for, **F90 (13.01)**
Wrought Seamless and Welded and Drawn Cobalt Alloy Small Diameter Tubing for Surgical Implants (UNS R30003, UNS R30008, UNS R30035, UNS R30605, and UNS R31537), Specification for, **F2527 (13.02)**

**UNS R30816 (Co-Cr-Ni-Cb-Mo-W alloy)**
Precipitation Hardening Cobalt-Containing Alloys (UNS R30155 and UNS R30816) Rod, Bar, Forgings, and Forging Stock for High-Temperature Service, Specification for, **B639 (02.04)**

**UNS R31233 (Co-Cr-Ni-Mo-W) (Ultimet alloy)**
Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy, Specification for, **B818 (02.04)**
Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy, Specification for, **B815 (02.04)**

**UNS R31537 (Co-Cr-Mo alloy)**
Cobalt-28Chromium-6Molybdenum Alloy Forgings for Surgical Implants (UNS R31537, R31538, R31539), Specification for, **F799 (13.01)**
Wrought Cobalt-28Chromium-6Molybdenum Alloys for Surgical Implants (UNS R31537, UNS R31538, and UNS R31539), Specification for, **F1537 (13.01)**
Wrought Seamless and Welded and Drawn Cobalt Alloy Small Diameter Tubing for Surgical Implants (UNS R30003, UNS R30008, UNS R30035, UNS R30605, and UNS R31537), Specification for, **F2527 (13.02)**

**UNS R31538 (Co-Cr-Mo alloy)**
Cobalt-28Chromium-6Molybdenum Alloy Forgings for Surgical Implants (UNS R31537, R31538, R31539), Specification for, **F799 (13.01)**
Wrought Cobalt-28Chromium-6Molybdenum Alloys for Surgical Implants (UNS R31537, UNS R31538, and UNS R31539), Specification for, **F1537 (13.01)**

**UNS R31539 (Co-Cr-Mo alloy)**
Cobalt-28Chromium-6Molybdenum Alloy Forgings for Surgical Implants (UNS R31537, R31538, R31539), Specification for, **F799 (13.01)**
Wrought Cobalt-28Chromium-6Molybdenum Alloys for Surgical Implants (UNS R31537, UNS R31538, and UNS R31539), Specification for, **F1537 (13.01)**

**UNS R50250 (Ti, unalloyed)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Seamless and Welded Unalloyed Titanium and Titanium Alloy Welding Fittings, Specification for, **B363 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**
Titanium Sponge, Specification for, **B299 (02.04)**
Unalloyed Titanium, for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700), Specification for, **F67 (13.01)**

**UNS R50400 (Ti, unalloyed)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Seamless and Welded Unalloyed Titanium and Titanium Alloy Welding Fittings, Specification for, **B363 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**
Titanium Sponge, Specification for, **B299 (02.04)**
Unalloyed Titanium, for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700), Specification for, **F67 (13.01)**

**UNS R50550 (Ti, unalloyed)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Seamless and Welded Unalloyed Titanium and Titanium Alloy Welding Fittings, Specification for, **B363 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**
Titanium Sponge, Specification for, **B299 (02.04)**
Unalloyed Titanium, for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700), Specification for, **F67 (13.01)**

**UNS R50700 (Ti, unalloyed)**
Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), Specification for, **F468M (01.08)**
Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, Specification for, **F468 (01.08)**
Nonferrous Nuts for General Use, Specification for, **F467 (01.08)**
Nonferrous Nuts for General Use (Metric), Specification for, **F467M (01.08)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Seamless and Welded Unalloyed Titanium and Titanium Alloy Welding Fittings, Specification for, **B363 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**



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Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**
Titanium Sponge, Specification for, **B299 (02.04)**
Unalloyed Titanium, for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700), Specification for, **F67 (13.01)**

**UNS R52250 (Ti, low-alloyed)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**

**UNS R52400 (Ti, low-alloyed)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**

**UNS R52550 (Ti alloy)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**

**UNS R52700 (Ti alloy)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**

**UNS R53400 (Ti alloy)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**

**UNS R54520 (Ti alloy)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**

**UNS R56320 (Ti alloy)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Wrought Titanium-3Aluminum-2.5Vanadium Alloy Seamless Tubing for Surgical Implant Applications (UNS R56320), Specification for, **F2146 (13.01)**

**UNS R56400 (Ti alloy)**
Titanium Alloy Forgings for Surgical Implants in the Alpha Plus Beta Condition, Specification for, **F620 (13.01)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Castings, Specification for, **B367 (02.04)**
Titanium and Titanium Alloy Forgings, Specification for, **B381 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**
Wrought Titanium-6Aluminum-4Vanadium Alloy for Surgical Implant Applications (UNS R56400), Specification for, **F1472 (13.01)**

**UNS R56401 (Ti alloy)**
Titanium Alloy Forgings for Surgical Implants in the Alpha Plus Beta Condition, Specification for, **F620 (13.01)**
Wrought Titanium-6Aluminum-4Vanadium ELI (Extra Low Interstitial) Alloy for Surgical Implant Applications (UNS R56401), Specification for, **F136 (13.01)**

**UNS R56700 (Ti-6 Al-7 Nb alloy)**
Titanium Alloy Forgings for Surgical Implants in the Alpha Plus Beta Condition, Specification for, **F620 (13.01)**
Wrought Titanium-6Aluminum-7Niobium Alloy for Surgical Implant Applications (UNS R56700), Specification for, **F1295 (13.01)**

**UNS R58030 (Ti alloy)**
Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, Specification for, **B338 (02.04)**
Titanium and Titanium Alloy Bars and Billets, Specification for, **B348 (02.04)**
Titanium and Titanium Alloy Strip, Sheet, and Plate, Specification for, **B265 (02.04)**

**UNS R58150 (Ti-15 Mo alloy)**
Wrought Titanium-15 Molybdenum Alloy for Surgical Implant Applications (UNS R58150), Specification for, **F2066 (13.01)**

**UNS R60001 (Zr/Zr alloy for nuclear applications)**
Corrosion Testing of Products of Zirconium, Hafnium, and Their Alloys in Water at 680°F (360°C) or in Steam at 750°F (400°C), Test Method for, **G2/G2M (02.04)**
Descaling and Cleaning Zirconium and Zirconium Alloy Surfaces, Practice for, **B614 (02.04)**
Hot-Rolled and Cold-Finished Zirconium and Zirconium Alloy Bars, Rod, and Wire for Nuclear Application, Specification for, **B351/B351M (02.04)**
Wrought Zirconium and Zirconium Alloy Seamless and Welded Tubes for Nuclear Service (Except Nuclear Fuel Cladding), Specification for, **B353 (02.04)**
Zirconium and Zirconium Alloy Ingots for Nuclear Application, Specification for, **B350/B350M (02.04)**
Zirconium and Zirconium Alloy Sheet, Strip, and Plate for Nuclear Application, Specification for, **B352/B352M (02.04)**

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*A78 Withdrawn 1947; Specification for Low Tensile Strength Carbon-Steel Plates of Structured Quality for Welding; Replaced by A283*
*A79 Withdrawn 1921; Specification for Staybolt Wrought Iron Solid; Replaced by A84*
*A80 Withdrawn 1927; Specification for Cold Finished Carbon-Steel Bars and Shafting; Replaced by A107, A108*
*A81 Withdrawn 1972; Specification for Wrought Iron*
*A82/A82M Withdrawn 2013; Specification for Steel Wire, Plain, for Concrete Reinforcement; Replaced by A1064*
*A83 Withdrawn 1967; Specification for Seamless Carbon Steel Boiler Tubes; Replaced by A192*
*A84 Withdrawn 1972; Specification for Staybolt Wrought Iron, Solid*
*A85 Withdrawn 1953; Specification for Common Iron Bars*
*A86 Withdrawn 1963; Specification for Staybolt Wrought Iron, Hollow-Rolled*
*A87 Withdrawn 1947; Specification for Mild to Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27*
*A88 Withdrawn 1933; Specification for High-Test Gray-Iron Castings; Replaced by A48*
*A89 Withdrawn 1947; Specification for Low-Tensile Strength Steel Plates of Flange Carbon-Qualities and Firebox; Replaced by A285*
**A90/A90M-13** Test Method for Weight Mass of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings, **01.06**
*A91 Withdrawn 1940; Methods of Determining Weight of Casting on Tin, Terne, and Lead-Coated Sheets*
*A92 Withdrawn 1937; Specification for High-Speed Tool Steel*
*A93 Withdrawn 1965; Specification for Zinc-Coated Galvanized Iron or Steel Sheets, Boils, and Butt Lengths; Replaced by A525*
*A94 Withdrawn 1966; Specification for High Strength Structural steel*
*A95 Withdrawn 1957; Specification for Carbon-Steel Castings for Valves, Flanges, and Fittings for High-Temperature Service; Replaced by A216*
*A96 Withdrawn 1965; Specification for Alloy-Steel Bolting Material for High-Temperature Service; Replaced by A193*
*A97 Withdrawn 1935; Specification for Tungsten Powder*
*A98 Withdrawn 1992; Specification for Spiegeleisen*
**A99-03(2009)** Specification for Ferromanganese, **01.02**
**A100-07(2012)** Specification for Ferrosilicon, **01.02**
**A101-04(2009)** Specification for Ferrochromium, **01.02**
**A102-04(2009)** Specification for Ferrovanadium, **01.02**
*A103 Withdrawn 1939; Methods of Sampling Ferro-Alloys; Replaced by E32*

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*A104 Withdrawn 1939; Methods of Chemical Analysis of Ferro-Alloys; Replaced by E31*
**A105/A105M-13** Specification for Carbon Steel Forgings for Piping Applications, **01.01**
**A106/A106M-13** Specification for Seamless Carbon Steel Pipe for High-Temperature Service, **01.01**
*A107 Withdrawn 1968; Specification for Hot-Rolled Carbon Steel Bars; Replaced by A575, A576*
**A108-13** Specification for Steel Bar, Carbon and Alloy, Cold-Finished, **01.05**
*A109M Withdrawn 1998; Replaced by A109/A109M*
**A109/A109M-13** Specification for Steel, Strip, Carbon (0.25 Maximum Percent), Cold-Rolled, **01.03**
*A110 Withdrawn 1936; Test Method for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles; Replaced by A90*
**A111-99a(2009)** Specification for Zinc-Coated (Galvanized) "Iron" Telephone and Telegraph Line Wire, **01.06**
*A112 Withdrawn 1990; Specification for Zinc-Coated (Galvanized) Steel Tie Wires*
*A113 Withdrawn 1979; Specification for Structural Steel for Locomotives and Cars*
*A114 Withdrawn 1940; Specification for Marine Boiler Steel Plates*
*A115 Withdrawn 1937; Specification for Alloy Tool Steel*
**A116-11** Specification for Metallic-Coated, Steel-Woven Wire Fence Fabric, **01.06**
*A117 Withdrawn 1956; Specification for Zinc-Coated Iron or Steel Chain-Link Fence Fabric Galvanized After Wearing; Replaced by A392*
*A118 Withdrawn 1933; Specification for Zinc-Coated Iron or Steel Chain-Link Fence Fabric Galvanized Before Wearing*
*A119 Withdrawn 1943; Definitions of Terms Relating to Heat Treatment Metals; Replaced by E44*
*A120 Withdrawn 1987; Specification for Pipe, Steel, Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless for Ordinary Uses; Replaced by A53*
**A121-13** Specification for Metallic-Coated Carbon Steel Barbed Wire, **01.06**
*A122 Withdrawn 1963; Specification for Zinc-Coated Steel Wire Strand (Galvanized) and Class A Extra Galvanized; Replaced by A475*
**A123/A123M-13** Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products, **01.06**
*A124 Withdrawn 1940; Specification for Arbitration Test Bar and Tension Test Specimen for Cast Iron*
**A125-96(2013)ε1** Specification for Steel Springs, Helical, Heat-Treated, **01.05**
**A126-04(2009)** Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings, **01.02**
*A127 Withdrawn 1949; Definitions of Terms Relating to Magnetic Testing;Re-designated A340*
**A128/A128M-93(2012)** Specification for Steel Castings, Austenitic Manganese, **01.02**
*A129 Withdrawn 1969; Specification for Open-Hearth Iron Plates for Pressure Vessels*
*A130 Withdrawn 1937; Methods for Chemical Analysis of Steel Cast Iron, Open-Hearth Iron, and Wrought Iron; Replaced by E30*
**A131/A131M-13** Specification for Structural Steel for Ships, **01.04**
**A132-04(2009)** Specification for Ferromolybdenum, **01.02**
*A133 Withdrawn 1941; Specification for Alloy-Steel Forgings for Locomotives and Cars; Replaced by A237, A238*
**A134-96(2012)** Specification for Pipe, Steel, Electric-Fusion (Arc)-Welded (Sizes NPS 16 and Over), **01.01**
**A135/A135M-09** Specification for Electric-Resistance-Welded Steel Pipe, **01.01**
*A136 Withdrawn 1945; Specification for Forge-Welded Steel Pipe*
*A137 Withdrawn 1943; Specification for Lock-Bar Steel Pipe*
*A138 Withdrawn 1945; Specification for Riveted Steel and Wrought-Iron Pipe*
**A139/A139M-04(2010)** Specification for Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over), **01.01**
*A140 Withdrawn 1935; Specification for Steel for Bridges and Buildings*
*A141 Withdrawn 1967; Specification for Structural Rivet Steel; Replaced by A502*
*A142 Withdrawn 1977; Specification for Cast Iron Culvert Pipe; Replaced by A716*
**A143/A143M-07** Practice for Safeguarding Against Embrittlement of Hot-Dip Galvanized Structural Steel Products and Procedure for Detecting Embrittlement, **01.06**
**A144-04(2009)** Specification for Ferrotungsten, **01.02**
*A145 Withdrawn 1940; Specification for Low-Carbon Ferromolybdenum; Replaced by A132*
**A146-04(2009)** Specification for Molybdenum Oxide Products, **01.02**
*A147 Withdrawn 1984; Specification for Heat-Treated Steel Leaf Springs*
**A148/A148M-08** Specification for Steel Castings, High Strength, for Structural Purposes, **01.02**
*A149 Withdrawn 1940; Specification for High Tensile Strength Carbon-Steel Plates for Boilers and Other Pressure Vessel Plates (2 in.); Replaced by A212*
*A150 Withdrawn 1940; Specification for High Tensile Strength Carbon-Silicon Steel Plates for Boilers and Other Pressure Vessel; Replaced by A212*
*A151 Withdrawn 1938; Specification for Steel Suitable for Fusion Welding*
*A152 Withdrawn 1972; Specification for Wrought Iron Rivets and Rivet Rounds*
**A153/A153M-09** Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware, **01.06**
*A154 Withdrawn 1936; Specification for Mild-to-Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27, A180*
*A155 Withdrawn 1978; Specification for Electric-Fusion Welded Steel Pipe for High-Pressure Service; Replaced by A671, A672, A691*
*A156 Withdrawn 1936; Specification for Molybdenum Salts and Compounds; Combined with A 146*
*A157 Withdrawn 1953; Specification for Alloy-Steel Castings for Pressure Containing Parts Suitable for High-Temperature Service; Replaced by A217, A351*
*A158 Withdrawn 1953; Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service; Replaced by A335*
**A159-83(2011)** Specification for Automotive Gray Iron Castings, **01.02**
*A160 Withdrawn 1969; Specification for Axle-Steel Bars for Concrete Reinforcement; Replaced by A617*
*A161 Withdrawn 1999; Specification for Seamless Low-Carbon and Carbon-Molybdenum Steel Still Tubes for Refinery Service; Replaced by A192, A209*
*A162 Withdrawn 1973; Specification for Uncoated Wrought Iron Sheets*
*A163 Withdrawn 1972; Specification for Zinc-Coated (Galvanized) Wrought Iron Sheets*
*A164 Withdrawn 1981; Specification for Electrodeposited Coatings of Zinc on Steel; Replaced by B633*
*A165 Withdrawn 1988; Specification for Electrodeposited Coatings of Cadmium on Steel; Replaced by B766*
*A166 Withdrawn 1968; Specification for Electrodeposited Coatings of Nickel and Chromium on Steel; Replaced by B456*
**A167-99(2009)** Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip, **01.03**
*A168 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A169 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A170 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A171 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A172 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A173 Withdrawn 1954; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A174 Withdrawn 1940; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
*A175 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*
**A176-99(2009)** Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip, **01.03**
*A177 Withdrawn 1989; Specification for High-Strength Stainless and Chromium-Nickel Steel Sheet and Strip; Replaced by A666*
**A178/A178M-02(2012)** Specification for Electric-Resistance-Welded Carbon Steel and Carbon-Manganese Steel Boiler and Superheater Tubes, **01.01**
**A179/A179M-90a(2012)** Specification for Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes, **01.01**
*A180 Withdrawn 1937; Specification for Mild-to-Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27*
**A181/A181M-13** Specification for Carbon Steel Forgings, for General-Purpose Piping, **01.01**
**A182/A182M-13a** Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service, **01.01**
**A183-03(2009)** Specification for Carbon Steel Track Bolts and Nuts, **01.04**
**A184/A184M-06(2011)** Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement, **01.04**
*A185/A185M Withdrawn 2013; Specification for Steel Welded Wire Reinforcement, Plain, for Concrete; Replaced by A1064*
*A186 Withdrawn 1966; Specification for One-Wear Wrought Steel Wheels; Replaced by A504*
*A187 Withdrawn 1943; Specification for Seamless Cold-Drawn Alloy-Steel (4 to 6 Percent Chromium) Heat Exchanger and Condenser Tubes*
*A188 Withdrawn 1943; Specification for Seamless Alloy-Steel (4 to 6 Percent Chromium) Still Tubes for Refinery Service*
*A189 Withdrawn 1972; Specification for Single and Double Refined Wrought Iron Bars*
*A190 Withdrawn 1962; Specification for Lght Weight and Thin-Sectioned Gray Iron Castings*
*A191 Withdrawn 1942; Test Method for Uniformity of Coatlng by the Preece Test (Copper Sulfate Dip) on Zinc-Coated (Galvanized) Iron or Steel Articles; Replaced by A239*
**A192/A192M-02(2012)** Specification for Seamless Carbon Steel Boiler Tubes for High-Pressure Service, **01.01**
**A193/A193M-12b** Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications, **01.01**
**A194/A194M-13** Specification for Carbon and Alloy Steel Nuts for Bolts for

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High Pressure or High Temperature Service, or Both, **01.01**

*A195 Withdrawn; Specification for High-Strength Strucutural Rivet Steel; Replaced by A502*

*A196 Withdrawn 1962; Guidelines for Cast Iron*

*A197M Withdrawn 1998; Replaced by A197/A197M*

**A197/A197M-00(2011)** Specification for Cupola Malleable Iron, **01.02**

*A198 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*

*A199/A199M Withdrawn 1995; Specification for Seamless Cold-Drawn Intermediate Alloy-Steel Heat-Exchanger and Condenser Tubes; Replaced by A213*

*A200 Withdrawn 1999; Specification for Seamless Intermediate Alloy-Steel Still Tubes for Refinery Service; Replaced by A213/A213M*

*A201 Withdrawn 1967; Specification for Carbon-Silicon Steel Plates of Intermediate Tensile Ranges for Fusion-Welded Boilers and Other Pressure Vessels; Replaced by A515, A516*

*A202/A202M Withdrawn 2004; Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Manganese-Silicon*

**A203/A203M-12** Specification for Pressure Vessel Plates, Alloy Steel, Nickel, **01.04**

**A204/A204M-12** Specification for Pressure Vessel Plates, Alloy Steel, Molybdenum, **01.04**

*A205 Withdrawn 1967; Specification for Iron and Steel Filler Metal (Arc-Welding Electrodes and Gas-Welding Rods); Replaced by A233, A251*

*A206 Withdrawn 1953; Specification for Seamless Ferritic Alloy-Steel Pipe for HIgh-Temperature Service; Replaced by A335*

*A207 Withdrawn 1972; Specification for Rolled Wrought Iron Shapes and Bars*

*A208 Withdrawn 1941; Method of Test for Uniformity of Coating by the Preece Test (Copper Sulfate Dip) on Zinc or Steel Articles; Replaced by A239*

**A209/A209M-03(2012)** Specification for Seamless Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes, **01.01**

**A210/A210M-02(2012)** Specification for Seamless Medium-Carbon Steel Boiler and Superheater Tubes, **01.01**

*A211 Withdrawn 1993; Specification for Spiral-Welded Steel or Iron Pipe*

*A212 Withdrawn 1967; Specification for High Tensile Strength Carbon-Silicon Steel Plates for Boilers and Other Pressure Vessels; Replaced by A515, A516*

**A213/A213M-13** Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes, **01.01**

**A214/A214M-96(2012)** Specification for Electric-Resistance-Welded Carbon Steel Heat-Exchanger and Condenser Tubes, **01.01**

*A215 Withdrawn 1947; Specification for Mild-to-Medium-Strength Carbon-Steel Castings for General Application; Replaced by A27*

**A216/A216M-12** Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service, **01.02**

**A217/A217M-12** Specification for Steel Castings, Martensitic Stainless and Alloy, for Pressure-Containing Parts, Suitable for High-Temperature Service, **01.02**

*A218 Withdrawn 1963; Specification for Zinc-Coated Steel Wire Strand (Class B and Class C Coatings); Replaced by A475*

*A219 Withdrawn 1972; Methods of Test for Local Thickness of Electrodeposited Coatings; Replaced by B244, B487, B499, B504, B529, B530*

*A220M Withdrawn 1999; Replaced by A220/A220M*

**A220/A220M-99(2009)** Specification for Pearlitic Malleable Iron, **01.02**

*A221 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*

*A222 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*

*A223 Withdrawn 1947; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium-Nickel Alloy Castings for General Application; Replaced by A296, A297*

*A224 Withdrawn 1969; Recommended Practice for Conducting Plant Corrosion Tests; Replaced by G4*

**A225/A225M-12** Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Vanadium-Nickel, **01.04**

*A226/A226M Withdrawn 1997; Specification for Electric-Resistance-Welded Carbon Steel Boiler and Superheater Tubes for High-Pressure Service*

**A227/A227M-06(2011)** Specification for Steel Wire, Cold-Drawn for Mechanical Springs, **01.03**

**A228/A228M-07** Specification for Steel Wire, Music Spring Quality, **01.03**

**A229/A229M-12** Specification for Steel Wire, Quenched and Tempered for Mechanical Springs, **01.03**

**A230/A230M-05(2011)ε1** Specification for Steel Wire, Oil-Tempered Carbon Valve Spring Quality, **01.03**

**A231/A231M-10** Specification for Chromium-Vanadium Alloy Steel Spring Wire, **01.03**

**A232/A232M-05(2011)ε1** Specification for Chromium-Vanadium Alloy Steel Valve Spring Quality Wire, **01.03**

*A233 Withdrawn 1970; Specification for Mild Steel Covered Arc-Welding Electrodes*

**A234/A234M-13** Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service, **01.01**

*A235 Withdrawn 1975; Specification for Carbon Steel Forgings for General Industrial Use; Replaced by A668*

*A236 Withdrawn 1981; Specification for Carbon Steel Forgings for Railway Use*

*A237 Withdrawn 1975; Specification for Alloy Steel Forgings for General Industrial Use; Replaced by A668*

*A238 Withdrawn 1989; Specification for Forgings, Alloy Steel, for Railway Use; Replaced by A730*

**A239-95(2009)ε1** Practice for Locating the Thinnest Spot in a Zinc (Galvanized) Coating on Iron or Steel Articles, **01.06**

**A240/A240M-13c** Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications, **01.03**

*A241 Withdrawn 1979; Specification for Hot-Worked High-Carbon Steel Tie Plates; Replaced by A67*

**A242/A242M-13** Specification for High-Strength Low-Alloy Structural Steel, **01.04**

*A243 Withdrawn 1975; Specification for Carbon and Alloy Steel Ring, Hollow Cylinder, and Disk Forgings for General Industrial Use; Replaced by A668*

*A244 Withdrawn 1947; Specification for Multiple-Wear Wrought Steel Wheels; Replaced by A504*

*A245 Withdrawn 1972; Specification for Flat-Rolled Carbon Steel Sheets of Structural Quality; Replaced by A570, A611*

*A246 Withdrawn 1958; Specification for Light Gage Structural Quality Flat Rolled Carbon-Steel Sheets; Replaced by A245*

**A247-10** Test Method for Evaluating the Microstructure of Graphite in Iron Castings, **01.02**

*A248 Withdrawn 1972; Specification for Carbon-Steel and Alloy-Steel Blooms, Billets, and Slabs for Forgings; Replaced by A273, A274*

**A249/A249M-10a** Specification for Welded Austenitic Steel Boiler, Superheater, Heat-Exchanger, and Condenser Tubes, **01.01**

**A250/A250M-05(2009)** Specification for Electric-Resistance-Welded Ferritic Alloy-Steel Boiler and Superheater Tubes, **01.01**

*A251 Withdrawn 1970; Specification for Iron and Steel Gas-Welding Rods; Replaced by A251*

**A252-10** Specification for Welded and Seamless Steel Pipe Piles, **01.01**

*A253 Withdrawn 1962; Specification for Welded and Seamless Open-Hearth Iron Pipe*

**A254/A254M-12** Specification for Copper-Brazed Steel Tubing, **01.01**

**A255-10** Test Methods for Determining Hardenability of Steel, **01.05**

*A256 Withdrawn 1990; Method of Compression Testing of Cast Iron*

*A257 Withdrawn 1945; Methods of Permeability and Core Loss of Flat-Rolled Magnetic Materials using 28 cm Specimen; Replaced by A34*

*A258 Withdrawn 1945; Methods of Testing Magnetic Materials; Replaced by A34*

*A259 Withdrawn 1945; Methods of Testing Magnetic Materials; Replaced by A34*

*A260 Withdrawn 1966; Recommended Practice for Torsion Tests of Cast Iron*

*A261 Withdrawn 1959; Specification for Heat-Treated Carbon-Steel Bolting Material*

**A262-13** Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels, **01.03**

**A263-12** Specification for Stainless Chromium Steel-Clad Plate, **01.04**

**A264-12** Specification for Stainless Chromium-Nickel Steel-Clad Plate, **01.04**

**A265-12** Specification for Nickel and Nickel-Base Alloy-Clad Steel Plate, **01.04**

**A266/A266M-11** Specification for Carbon Steel Forgings for Pressure Vessel Components, **01.05**

*A267 Withdrawn 1954; Specification for Lead Coating (Hot-Dip) on Iron or Steel Hardware*

**A268/A268M-10** Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service, **01.01**

**A269-13** Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service, **01.01**

**A270/A270M-10** Specification for Seamless and Welded Austenitic and Ferritic/Austenitic Stainless Steel Sanitary Tubing, **01.01**

*A271 Withdrawn 1999; Specification for Seamless Austenitic Chromium-Nickel Steel Still Tubes for Refinery Service; Replaced by A213/A213M*

*A272 Withdrawn 1945; Method of Magnetic Particle Testing and Inspection of Commercial Steel Castings; Replaced by E109*

*A273 Withdrawn 1975; Specification for Carbon-Steel Blooms, Billets, and Slabs for Forgings; Replaced by A711*

*A274 Withdrawn 1975; Specification for Alloy-Steel Blooms, Billets, and Slabs for Forgings; Replaced by A711*

**A275/A275M-08(2013)** Practice for Magnetic Particle Examination of Steel Forgings, **01.05**

**A276-13a** Specification for Stainless Steel Bars and Shapes, **01.03**

*A277 Withdrawn 1952; Specification for Malleable Iron Flanges, Pipe Fittings, and Valve Parts for Railroad, Marine and Other Heavy Duty Service; Replaced by A338*

*A278M Withdrawn 2001; Replaced by A278/A278M*

**A278/A278M-01(2011)** Specification for Gray Iron Castings for Pressure-Containing Parts for Temperatures Up to 650°F (350°C), **01.02**

*A279 Withdrawn 1945; Method of Total Immersion Corrosion Test of Stainless Steels; Replaced by G31*

*A280 Withdrawn 1953; Specification for Seamless Ferritic Alloy-Steel Pipe for Service at High Temperatures; Replaced by A335*

*A281 Withdrawn 1947; Specification for Mild to Medium Strength Carbon-Steel Castings for General Application; Replaced by A27*

*A282 Withdrawn 1945; Specification for High-Strength Steel Castings for Structural Purposes; Replaced by A148*

**A283/A283M-13** Specification for Low and Intermediate Tensile Strength Carbon Steel Plates, **01.04**

*A284/A284M Withdrawn 1992; Specification for Low and Intermediate Tensile Strength Carbon-Silicon Steel Plates for Machine Parts and General*

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*Construction; Replaced by A283/A283M*
**A285/A285M-12** Specification for Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength, **01.04**
*A286 Withdrawn 1960; Specification for Heat-Treated Alloy-Steel Bars; Replaced by A434*
*A287 Withdrawn 1955; Specification for Rolled Carbon-Steel Locomotive Frames*
**A288-91(2013)** Specification for Carbon and Alloy Steel Forgings for Magnetic Retaining Rings for Turbine Generators, **01.05**
**A289/A289M-97(2013)** Specification for Alloy Steel Forgings for Nonmagnetic Retaining Rings for Generators, **01.05**
**A290/A290M-05(2010)** Specification for Carbon and Alloy Steel Forgings for Rings for Reduction Gears, **01.05**
**A291/A291M-05(2010)** Specification for Steel Forgings, Carbon and Alloy, for Pinions, Gears and Shafts for Reduction Gears, **01.05**
*A292 Withdrawn 1968; Specification for Carbon and Alloy Steel Forgings for Turbine Generator Rotors and Shafts; Replaced by A469*
*A293 Withdrawn 1984; Specification for Steel Forgings, Carbon and Alloy, for Turbine Generator Rotors and Shafts; Replaced by A470*
*A294 Withdrawn 1988; Specification for Alloy Steel Forgings for Turbine Wheels and Disks; Replaced by A471*
**A295/A295M-09** Specification for High-Carbon Anti-Friction Bearing Steel, **01.05**
*A296 Withdrawn 1980; Specification for Corrosion-Resistant Iron-Chromium and Iron-Chromium Nickel and Nickel-B Alloy Castings; Replaced by A743, A744*
**A297/A297M-10** Specification for Steel Castings, Iron-Chromium and Iron-Chromium-Nickel, Heat Resistant, for General Application, **01.02**
*A298 Withdrawn 1970; Specification for Corrosion-Resistant Chromium and Chromium-Nickel Steel Covered Welding Electrodes; Replaced by A298*
**A299/A299M-09** Specification for Pressure Vessel Plates, Carbon Steel, Manganese-Silicon, **01.04**
*A300 Withdrawn 1975; Specification for Notch Toughness Requirements for Normalized Steel Plates for Pressure Vessels*
*A301 Withdrawn 1956; Specification for Chromium-Molybdenum Steel Plates for Boilers and Other Pressure Vessels; Replaced by A387*
**A302/A302M-12** Specification for Pressure Vessel Plates, Alloy Steel, Manganese-Molybdenum and Manganese-Molybdenum-Nickel, **01.04**
*A303 Withdrawn 1970; Specification for Hot-Rolled Carbon Steel Strip of Structural Quality; Replaced by A570*
**A304-11** Specification for Carbon and Alloy Steel Bars Subject to End-Quench Hardenability Requirements, **01.05**
*A305 Withdrawn 1968; Specification for Minimum Requirements for the Deformations of Deformed Steel Bars for Concrete Reinforcement; Replaced by A615, A616, A617*
*A306 Withdrawn 1975; Specification for Carbon Steel Bars Subject to Mechanical Property Requirements; Replaced by A663, A675*
**A307-12** Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength, **01.08**
**A308/A308M-10** Specification for Steel Sheet, Terne (Lead-Tin Alloy) Coated by the Hot-Dip Process, **01.06**
**A309-01(2012)** Test Method for Weight and Composition of Coating on Terne Sheet by the Triple-Spot Test, **01.06**
*A310 Withdrawn 1949; Specification for Flat-Rolled Electrical Steel; Redesignated A345*
**A311/A311M-04(2010)** Specification for Cold-Drawn, Stress-Relieved Carbon Steel Bars Subject to Mechanical Property Requirements, **01.05**
**A312/A312M-13b** Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes, **01.01**
**A313/A313M-13** Specification for Stainless Steel Spring Wire, **01.03**
**A314-13a** Specification for Stainless Steel Billets and Bars for Forging, **01.03**
*A315 Withdrawn 1952; Specification for Seamless Ferritic Alloy-Steel Pipe for Service at High Temperatures; Replaced by A335*
*A316 Withdrawn 1969; Specification for Low-Alloy Steel Covered Filler Metal Arc-Welding Electrodes*
*A317 Withdrawn 1975; Method of Macroetch Testing and Inspection of Steel Forgings; Replaced by E381*
*A318 Withdrawn 1976; Method of Tension Testing and Inspection of Steel Spring Wire; Replaced by A370*
**A319-71(2011)** Specification for Gray Iron Castings for Elevated Temperatures for Non-Pressure Containing Parts, **01.02**
**A320/A320M-11a** Specification for Alloy-Steel and Stainless Steel Bolting for Low-Temperature Service, **01.01**
*A321 Withdrawn 2007; Specification for Steel Bars, Carbon, Quenched and Tempered*
**A322-13** Specification for Steel Bars, Alloy, Standard Grades, **01.05**
**A323-05(2010)** Specification for Ferroboron, **01.02**
**A324-08(2013)** Specification for Ferrotitanium, **01.02**
**A325-10$^{\varepsilon 1}$** Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength, **01.08**
**A325M-13** Specification for Structural Bolts, Steel, Heat Treated 830 MPa Minimum Tensile Strength (Metric), **01.08**
*A326 Withdrawn 1990; Specification for Zinc-Coated (Galvanized) High Tensile Steel Telephone and Telegraph Line Wire*
**A327M** *Withdrawn 2011; Test Methods for Impact Testing of Cast Irons (Metric); Replaced by A327*, **01.02**
**A327/A327M-11** Test Methods for Impact Testing of Cast Irons, **01.02**
**A328/A328M-13a** Specification for Steel Sheet Piling, **01.04**
*A329 Withdrawn 1965; Specification for Heat-Treated Steel Tires; Replaced by A551*
*A330 Withdrawn 1954; Methods and Definition for Mechanical Testing of Steel Products; Replaced by A370*
*A331 Withdrawn 2004; Specification for Steel Bars, Alloy, Cold-Finished*
*A332 Withdrawn 1965; Specification for Nickel-Chromium-Molybdenum Steel Bars for Springs; Replaced by A689*
**A333/A333M-13** Specification for Seamless and Welded Steel Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness, **01.01**
**A334/A334M-04a(2010)** Specification for Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service, **01.01**
**A335/A335M-11** Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service, **01.01**
**A336/A336M-10a** Specification for Alloy Steel Forgings for Pressure and High-Temperature Parts, **01.05**
*A337 Withdrawn 1955; Specification for Zinc-Coated Iron or Steel Chain-link Fence Fabric Galvanized before Weaving; Replaced by A392*
**A338-84(2009)** Specification for Malleable Iron Flanges, Pipe Fittings, and Valve Parts for Railroad, Marine, and Other Heavy Duty Service at Temperatures Up to 650F (345C), **01.02**
*A339 Withdrawn 1965; Specification for Iron Castings; Replaced by A536*
**A340-03a(2011)** Terminology of Symbols and Definitions Relating to Magnetic Testing, **03.04**
**A341/A341M-00(2011)$^{\varepsilon 1}$** Test Method for Direct Current Magnetic Properties of Materials Using D-C Permeameters and the Ballistic Test Methods, **03.04**
**A342/A342M-04(2012)** Test Methods for Permeability of Feebly Magnetic Materials, **03.04**
**A343/A343M-03(2008)** Test Method for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method and 25-cm Epstein Test Frame, **03.04**
*A344 Withdrawn 1977; Methods of Electrical and Mechanical Properties of Magnetic Materials; Replaced by A370, A712, A717, A718, A719, A720*
**A345-09** Specification for Flat-Rolled Electrical Steels for Magnetic Applications, **03.04**
*A346 Withdrawn 1998; Test Method for Alternating-Current Magnetic Performance of Laminated Core Specimens Using the Dieterly Bridge Method*
*A347 Withdrawn 1996; Alternating Current Magnetic Properties ofMaterials Using the Dieterly Bridge Method with 25-cm Epstein Frame*
**A348/A348M-05(2011)** Test Method for Alternating Current Magnetic Properties of Materials Using the Wattmeter-Ammeter-Voltmeter Method, 100 to 10 000 Hz and 25-cm Epstein Frame, **03.04**
*A349 Withdrawn 1984; Test Methods for Alternating-Current Magnetic Properties of Materials Using the Wattmeter-Ammeter-Voltmeter Method, 50 to 60 Hz and 50 cm Epstein Frame*
**A350/A350M-13** Specification for Carbon and Low-Alloy Steel Forgings, Requiring Notch Toughness Testing for Piping Components, **01.01**
**A351/A351M-13a** Specification for Castings, Austenitic, for Pressure-Containing Parts, **01.02**
**A352/A352M-06(2012)** Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing Parts, Suitable for Low-Temperature Service, **01.02**
**A353/A353M-09** Specification for Pressure Vessel Plates, Alloy Steel, Double-Normalized and Tempered 9 % Nickel, **01.04**
**A354-11** Specification for Quenched and Tempered Alloy Steel Bolts, Studs, and Other Externally Threaded Fasteners, **01.08**
**A355-89(2012)** Specification for Steel Bars, Alloys, for Nitriding, **01.05**
**A356/A356M-11** Specification for Steel Castings, Carbon, Low Alloy, and Stainless Steel, Heavy-Walled for Steam Turbines, **01.02**
*A357 Withdrawn 1973; Specification for Pressure Vessel Plates, Alloy Steel, Five Percent Chromium, 0.5 percent Molybdenum; Replaced by A387*
**A358/A358M-12** Specification for Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications, **01.01**
*A359 Withdrawn 1954; Methods and Definitions for Mechanical Testing of Structural Steel; Replaced by A370*
*A360 Withdrawn 1993; Method of Testing Chilled and White Iron Castings*
*A360M Withdrawn 1993; Method of Testing Chilled and White Iron Castings [Metric]*
*A361/A361M Withdrawn 1995; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process for Roofing and Siding*
*A362 Withdrawn 1977; Specification for Iron-Chromium and Iron-Chromium-Nickel Alloy Tubular Centrifugal Castings for General Applications*
**A363-03(2009)$^{\varepsilon 1}$** Specification for Zinc-Coated (Galvanized) Steel Overhead Ground Wire Strand, **01.06**
*A364 Withdrawn 1959; Specification for Cold-Finished Heat-Treated Alloy-Steel Bars; Replaced by A434*
*A365 Withdrawn 1968; Specification for Cold-Rolled Carbon Steel, Drawing Quality, and Special Killed; Replaced by A619, A620*
*A366/A366M Withdrawn 2000; Specification for Commercial Steel (CS) Sheet, Carbon, (0.15 Maximum Percent) Cold-Rolled; Replaced by A1008/A1008M*
**A367-11** Test Methods of Chill Testing of Cast Iron, **01.02**
**A368-95a(2013)** Specification for Stainless Steel Wire Strand, **01.03**
**A369/A369M-11** Specification for Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service, **01.01**
**A370-12a** Test Methods and Definitions for Mechanical Testing of Steel Products, **01.01, 01.02, 01.03, 01.04, 01.05**
*A371 Withdrawn 1969; Specification for Corrosion-Resisting Chromium and Chromium-Nickel Steel Welding Rods and Bare Electrodes*

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**A372/A372M-13** Specification for Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels, **01.05**
*A373 Withdrawn 1966; Specification for Structural Steel for Welding; Combined with A 36*
*A374 Withdrawn 1971; Specification for High-Strength Low-Alloy Cold-Rolled Steel Sheets and Strip; Replaced by A606, A607*
*A375 Withdrawn 1971; Specification for High-Strength Low-Alloy Hot-Rolled Steel Sheets and Strip; Replaced by A606, A607*
**A376/A376M-13** Specification for Seamless Austenitic Steel Pipe for High-Temperature Service, **01.01**
**A377-03(2008)ε1** Index of Specifications for Ductile-Iron Pressure Pipe, **01.02**
*A378 Withdrawn 1955; Specification for Flat-Rolled Electrical Steel; Replaced by A345*
*A379 Withdrawn 1955; Specification for Flat-Rolled Electrical Steel; Replaced by A345*
**A380/A380M-13** Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems, **01.03**
**A381-96(2012)** Specification for Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems, **01.01**
*A382 Withdrawn 1971; Specification for Cold-Drawn Wrought Iron Heat-Exchanger and Condenser Tubes*
*A383 Withdrawn 1996; Specification for Axles, Railway, Carbon Steel, Untreated for Export and General Industrial Use*
**A384/A384M-07(2013)** Practice for Safeguarding Against Warpage and Distortion During Hot-Dip Galvanizing of Steel Assemblies, **01.06**
**A385/A385M-11** Practice for Providing High-Quality Zinc Coatings (Hot-Dip), **01.06**
*A386 Withdrawn 1984; Specification for Zinc Coating (Hot-Dip) on Assembled Steel Products; Combined with A 123*
**A387/A387M-11** Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum, **01.04**
**A388/A388M-11** Practice for Ultrasonic Examination of Steel Forgings, **01.05**
**A389/A389M-13** Specification for Steel Castings, Alloy, Specially Heat-Treated, for Pressure-Containing Parts, Suitable for High-Temperature Service, **01.02**
**A390-06(2011)** Specification for Zinc-Coated (Galvanized) Steel Poultry Fence Fabric (Hexagonal and Straight Line), **01.06**
**A391/A391M-07(2012)** Specification for Grade 80 Alloy Steel Chain, **01.05**
**A392-11a** Specification for Zinc-Coated Steel Chain-Link Fence Fabric, **01.06**
*A393 Withdrawn 1974; Recommended Practice for Conducting Acidified Copper Sulfate Test for Intergranular Attack in Austenitic Stainless Steel; Replaced by A262*
**A394-08ε1** Specification for Steel Transmission Tower Bolts, Zinc-Coated and Bare, **01.08**
*A395M Withdrawn 1988; Replaced by A395/A395M*
**A395/A395M-99(2009)** Specification for Ferritic Ductile Iron Pressure-Retaining Castings for Use at Elevated Temperatures, **01.02**
*A396 Withdrawn 1965; Specification for High-Strength Ductile Iron Castings; Replaced by A536*
*A397 Withdrawn 1958; Specification for High Tensile Strength Carbon-Manganeses Steel Plates for Unfired Pressure Vessels*
*A398 Withdrawn 1969; Specification for Welding Rods and Covered Electrodes for Welding Cast Iron*
*A399 Withdrawn 1969; Specification for Surfacing Welding Rods and Electrodes*
**A400-69(2012)** Practice for Steel Bars, Selection Guide, Composition, and Mechanical Properties, **01.05**
**A401/A401M-10** Specification for Steel Wire, Chromium-Silicon Alloy, **01.03**
*A402 Withdrawn 1958; Specification for Forged or Rolled Alloy Steel Pipe Flanges, Forged Fittings, and Valves and Parts Specially Heat Treated for High-Temperature Service*
**A403/A403M-13a** Specification for Wrought Austenitic Stainless Steel Piping Fittings, **01.01**
*A404 Withdrawn 1975; Specification for Forged or Rolled Alloy Steel Pipe Flanges, Forged Fittings, and Valves and Parts Specially Heat Treated for High-Temperature Service*
*A405 Withdrawn 1995; Specification for Seamless Ferritic Alloy-Steel Pipe Specially Heat Treated for High-Temperature Service*
*A406 Withdrawn 1965; Specification for High-Strength Structural Alloy Rivet Steel*
**A407-07(2013)** Specification for Steel Wire, Cold-Drawn, for Coiled-Type Springs, **01.03**
*A407M Withdrawn 1989; Specification for Steel Wire, Cold-Drawn, for Coiled-Type Springs [Metric]*
*A408 Withdrawn 1968; Specification for Special Large Size Deformed Billet-Steel Bars for Concrete Reinforcement; Replaced by A615*
**A409/A409M-13** Specification for Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service, **01.01**
*A410 Withdrawn 1976; Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Copper-Nickel-Aluminum*
**A411-08(2013)** Specification for Zinc-Coated (Galvanized) Low-Carbon Steel Armor Wire, **01.06**
*A412 Withdrawn 1989; Specification for Stainless and Heat-Resisting Chromium-Nickel-Manganese Steel Plate, Sheet, and Strip*
**A413/A413M-07(2012)** Specification for Carbon Steel Chain, **01.05**
**A414/A414M-13** Specification for Steel, Sheet, Carbon, and High-Strength, Low-Alloy for Pressure Vessels, **01.03**
*A415 Withdrawn 1970; Specification for Hot-Rolled Carbon Steel Sheets, Commercial Quality; Replaced by A569*
**A416/A416M-12a** Specification for Steel Strand, Uncoated Seven-Wire for Prestressed Concrete, **01.04**
*A417 Withdrawn 2008; Specification for Steel Wire, Cold-Drawn, for Zig-Zag, Square-Formed, and Sinuous-Type Upholstery Spring Units*
*A417M Withdrawn 1989; Specification for Steel Wire, Cold-Drawn, for Zig-Zag Square-Formed, and Sinuous-Type Upholstery Spring Units [Metric]*
**A418/A418M-10** Practice for Ultrasonic Examination of Turbine and Generator Steel Rotor Forgings, **01.05**
*A419 Withdrawn 1971; Specification for Electric-Fusion (Arc)- Welded Wrought Iron Plate pipe*
**A420/A420M-13** Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service, **01.01**
**A421/A421M-10** Specification for Uncoated Stress-Relieved Steel Wire for Prestressed Concrete, **01.04**
*A422 Withdrawn 1994; Specification for Butt Welds in Still Tubes for Refinery Service*
**A423/A423M-09** Specification for Seamless and Electric-Welded Low-Alloy Steel Tubes, **01.01**
**A424/A424M-09a** Specification for Steel, Sheet, for Porcelain Enameling, **01.03**
*A425 Withdrawn 1970; Specification for Hot-Rolled Carbon Steel Strip, Commercial Quality; Replaced by A569*
**A426/A426M-13** Specification for Centrifugally Cast Ferritic Alloy Steel Pipe for High-Temperature Service, **01.01, 01.02**
**A427/A427M-10** Specification for Wrought Alloy Steel Rolls for Cold and Hot Reduction, **01.05**
**A428/A428M-10** Test Method for Weight Mass of Coating on Aluminum-Coated Iron or Steel Articles, **01.06**
*A429 Withdrawn 1976; Specification for Hot- and Cold-Finished Bars of Stainless and Heat-Resisting Chromium-Nickel-Manganese Steel; Replaced by A276*
*A430/A430M Withdrawn 1995; Specification for Austenitic Steel Forged and Bored Pipe for High-Temperature Service; Replaced by A312/A312M*
*A431 Withdrawn 1968; Specification for High-Strength Deformed Billet-Steel Bars for Concrete Reinforcement with 75,000 psi Minimum Yield Strength; Replaced by A615*
*A432 Withdrawn 1968; Specification for Deformed Billet Steel Bars for Concrete Reinforcement with 60,000 psi Minimum Yield Point; Replaced by A615*
*A433 Withdrawn 1972; Specification for Leaded, Carbon Steel Plates for Pressure Vessels*
**A434-06(2012)** Specification for Steel Bars, Alloy, Hot-Wrought or Cold-Finished, Quenched and Tempered, **01.05**
**A435/A435M-90(2012)** Specification for Straight-Beam Ultrasonic Examination of Steel Plates, **01.04**
**A436-84(2011)** Specification for Austenitic Gray Iron Castings, **01.02**
**A437/A437M-12** Specification for Stainless and Alloy-Steel Turbine-Type Bolting Specially Heat Treated for High-Temperature Service, **01.01**
*A438 Withdrawn 2003; Test Method for Transverse Testing of Gray Cast Iron*
**A439-83(2009)** Specification for Austenitic Ductile Iron Castings, **01.02**
*A440 Withdrawn 1979; Specification for High-Strength Structural Steel*
*A441/A441M Withdrawn 1989; Specification for High-Strength Low-Alloy Structural Manganese Vanadium Steel; Replaced by A572/A572M*
*A442/A442M Withdrawn 1991; Specification for Pressure Vessel Plates, Carbon Steel, Improved Transition Properties*
*A443 Withdrawn 1966; Method of Notch Toughness of Turbine and Generator Steel Forgings; Combined with A 370*
*A444/A444M Withdrawn 1995; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
*A445 Withdrawn 1974; Specification for Ferritic Iron Castings for Valves, Flanges, Pipe Fittings, and Other Piping Components; Replaced by A395*
**A447/A447M-11** Specification for Steel Castings, Chromium-Nickel-Iron Alloy (25-12 Class), for High-Temperature Service, **01.02**
*A448 Withdrawn 1976; Specification for Nickel-Chromium-Iron Alloy Castings (35-15 Class) for High-Temperature Service*
**A449-10** Specification for Hex Cap Screws, Bolts and Studs, Steel, Heat Treated, 120/105/90 ksi Minimum Tensile Strength, General Use, **01.08**
**A450/A450M-10** Specification for General Requirements for Carbon and Low Alloy Steel Tubes, **01.01**
**A451/A451M-06(2010)** Specification for Centrifugally Cast Austenitic Steel Pipe for High-Temperature Service, **01.01, 01.02**
*A452 Withdrawn 1995; Specification for Centrifugally Cast Austenitic Steel Cold-Wrought Pipe for High-Temperature Service*
**A453/A453M-12** Specification for High-Temperature Bolting, with Expansion Coefficients Comparable to Austenitic Stainless Steels, **01.01**
*A454 Withdrawn 1980; Specification for Steel Conveyor Chain*
**A455/A455M-12a** Specification for Pressure Vessel Plates, Carbon Steel, High-Strength Manganese, **01.04**
**A456/A456M-08(2013)** Specification for Magnetic Particle Examination of Large Crankshaft, **01.05**
*A457 Withdrawn 1990; Specification for Hot-Worked, Hot-Cold-Worked, and Cold-Worked Alloy Steel Plate, Sheet, and Strip for High Strength at Elevated Temperatures*
*A458 Withdrawn 1991; Specification for Hot-Worked, Hot-Cold-Worked, and Cold-Worked Alloy Steel Bars for High Strength at Elevated Temperatures*
**A459-08(2013)** Specification for Zinc-Coated Flat Steel Armoring Tape, **01.06**
**A460-11** Specification for Copper-Clad Steel Wire Strand, **01.06**
*A461 Withdrawn 1971; Specification for Precipitation Hardening Alloy Bars,*

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*Forgings, and Forging Stock for High-Temperature Service; Replaced by A564, A637, A638, A639*

*A462 Withdrawn 1970; Method for Liquid Penetrant Inspection of Steel Forgings; Replaced by E165*

**A463/A463M-10** Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process, **01.06**

*A464 Withdrawn 1968; Recommended Practice for Use of Magnetic Type Instruments for Measurement of Thickness of Hot-Dip Zinc Coatings on Iron and Steel; Replaced by A376*

*A465 Withdrawn 1975; Specification for Leaded Carbon Steel Forged Pipe Flanges and Parts for Pressure and General Service*

**A466/A466M-07(2012)** Specification for Weldless Chain, **01.05**

**A467/A467M-07(2012)** Specification for Machine and Coil Chain, **01.05**

*A468 Withdrawn 1969; Method of Normal Magnetic Induction Characteristics of Carbon and Alloy Steel Generator Rotor Forgings; Replaced by A6, A341*

**A469/A469M-07(2012)** Specification for Vacuum-Treated Steel Forgings for Generator Rotors, **01.05**

**A470/A470M-05(2010)** Specification for Vacuum-Treated Carbon and Alloy Steel Forgings for Turbine Rotors and Shafts, **01.05**

**A471/A471M-09** Specification for Vacuum-Treated Alloy Steel Forgings for Turbine Rotor Disks and Wheels, **01.05**

**A472/A472M-07(2012)** Specification for Heat Stability of Steam Turbine Shafts and Rotor Forgings, **01.05**

**A473-13** Specification for Stainless Steel Forgings, **01.03, 01.05**

**A474-03(2013)** Specification for Aluminum-Coated Steel Wire Strand, **01.06**

**A475-03(2009)$^{\varepsilon 1}$** Specification for Zinc-Coated Steel Wire Strand, **01.06**

*A476M Withdrawn 2000; Replaced by A476/A476M*

**A476/A476M-00(2009)** Specification for Ductile Iron Castings for Paper Mill Dryer Rolls, **01.02**

*A477 Withdrawn 1991; Specification for Hot-Worked, Hot-Cold Worked and Cold-Worked Alloy Steel Forgings and Forging Billets for High Strength at Elevated Temperatures*

**A478-97(2013)** Specification for Chromium-Nickel Stainless Steel Weaving and Knitting Wire, **01.03**

**A479/A479M-13b** Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels, **01.03**

**A480/A480M-13b** Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip, **01.03**

**A481-05(2010)** Specification for Chromium Metal, **01.02**

**A482/A482M-11** Specification for Ferrochrome-Silicon, **01.02**

**A483/A483M-10** Specification for Silicomanganese, **01.02**

**A484/A484M-13a** Specification for General Requirements for Stainless Steel Bars, Billets, and Forgings, **01.03**

**A485-09** Specification for High Hardenability Antifriction Bearing Steel, **01.05**

*A486/A486M Withdrawn 1989; Specification for Steel Castings for Highway Bridges*

**A487/A487M-93(2012)** Specification for Steel Castings Suitable for Pressure Service, **01.02**

**A488/A488M-12** Practice for Steel Castings, Welding, Qualifications of Procedures and Personnel, **01.02**

**A489-12** Specification for Carbon Steel Lifting Eyes, **01.08**

**A490-12** Specification for Structural Bolts, Alloy Steel, Heat Treated, 150 ksi Minimum Tensile Strength, **01.08**

**A490M-12** Specification for High-Strength Steel Bolts, Classes 10.9 and 10.9.3, for Structural Steel Joints (Metric), **01.08**

**A491-11** Specification for Aluminum-Coated Steel Chain-Link Fence Fabric, **01.06**

**A492-95(2013)** Specification for Stainless Steel Rope Wire, **01.03**

**A493-09(2013)** Specification for Stainless Steel Wire and Wire Rods for Cold Heading and Cold Forging, **01.03**

**A494/A494M-13** Specification for Castings, Nickel and Nickel Alloy, **01.02**

**A495-06(2010)** Specification for Calcium-Silicon Alloys, **01.02**

*A496/A496M Withdrawn 2013; Specification for Steel Wire, Deformed, for Concrete Reinforcement; Replaced by A1064*

*A497/A497M Withdrawn 2013; Specification for Steel Welded Wire Reinforcement, Deformed, for Concrete; Replaced by A1064*

**A498-06** Specification for Seamless and Welded Carbon Steel Heat-Exchanger Tubes with Integral Fins, **01.01**

**A499-89(2008)** Specification for Steel Bars and Shapes, Carbon Rolled from "T" Rails, **01.05**

**A500/A500M-13** Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes, **01.01**

**A501-07** Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing, **01.01**

**A502-03(2009)** Specification for Rivets, Steel, Structural, **01.08**

**A503/A503M-01(2011)** Specification for Ultrasonic Examination of Forged Crankshafts, **01.05**

**A504/A504M-08(2013)** Specification for Wrought Carbon Steel Wheels, **01.05**

**A505-12** Specification for Steel, Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, General Requirements for, **01.03**

**A506-12** Specification for Alloy and Structural Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled, **01.03**

**A507-12** Specification for Drawing Alloy Steel, Sheet and Strip, Hot-Rolled and Cold-Rolled, **01.03**

**A508/A508M-05b(2010)** Specification for Quenched and Tempered Vacuum-Treated Carbon and Alloy Steel Forgings for Pressure Vessels, **01.05**

*A509 Withdrawn 1983; Definition of Terms Relating to Steel Forgings; Replaced by A788*

*A510M Withdrawn 2012; Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel (Metric); Replaced by A510*

**A510/A510M-13** Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, and Alloy Steel, **01.03**

**A511/A511M-12** Specification for Seamless Stainless Steel Mechanical Tubing, **01.01**

**A512-06(2012)** Specification for Cold-Drawn Buttweld Carbon Steel Mechanical Tubing, **01.01**

**A513/A513M-12** Specification for Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing, **01.01**

**A514/A514M-13** Specification for High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding, **01.04**

**A515/A515M-10** Specification for Pressure Vessel Plates, Carbon Steel, for Intermediate- and Higher-Temperature Service, **01.04**

**A516/A516M-10** Specification for Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service, **01.04**

**A517/A517M-10** Specification for Pressure Vessel Plates, Alloy Steel, High-Strength, Quenched and Tempered, **01.04**

*A518M Withdrawn 1999; Replaced by A518/A518M*

**A518/A518M-99(2012)** Specification for Corrosion-Resistant High-Silicon Iron Castings, **01.02**

**A519-06(2012)** Specification for Seamless Carbon and Alloy Steel Mechanical Tubing, **01.01**

*A520 Withdrawn 2000; Specification for Supplementary Requirements for Seamless and Electric-Resistance-Welded Carbon Steel Tubular Products for High-Temperature Service Conforming to ISO Recommendations for Boiler Construction*

**A521/A521M-06(2011)** Specification for Steel, Closed-Impression Die Forgings for General Industrial Use, **01.05**

**A522/A522M-13** Specification for Forged or Rolled 8 and 9% Nickel Alloy Steel Flanges, Fittings, Valves, and Parts for Low-Temperature Service, **01.01**

**A523-96(2012)** Specification for Plain End Seamless and Electric-Resistance-Welded Steel Pipe for High-Pressure Pipe-Type Cable Circuits, **01.01**

**A524-96(2012)** Specification for Seamless Carbon Steel Pipe for Atmospheric and Lower Temperatures, **01.01**

*A525 Withdrawn 1994; Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process; Replaced by A653/A653M, A924/A924M*

*A525M Withdrawn 1994; Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process; Replaced by A653/A653M, A924/A924M*

*A526/A526M Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality; Replaced by A653/A653M, A924/A924M*

*A527/A527M Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Lock-Forming Quality; Replaced by A653/A653M, A924/A924M*

*A528/A528M Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Drawing Quality; Replaced by A653/A653M, A924/A924M*

**A529/A529M-05(2009)** Specification for High-Strength Carbon-Manganese Steel of Structural Quality, **01.04**

**A530/A530M-12** Specification for General Requirements for Specialized Carbon and Alloy Steel Pipe, **01.01**

**A531/A531M-13** Practice for Ultrasonic Examination of Turbine-Generator Steel Retaining Rings, **01.05**

**A532/A532M-10** Specification for Abrasion-Resistant Cast Irons, **01.02**

**A533/A533M-09$^{\varepsilon 1}$** Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered, Manganese-Molybdenum and Manganese-Molybdenum-Nickel, **01.04**

**A534-09** Specification for Carburizing Steels for Anti-Friction Bearings, **01.05**

*A535 Withdrawn 1998; Specification for Special-Quality Ball and Roller Bearing Steel*

**A536-84(2009)** Specification for Ductile Iron Castings, **01.02**

**A537/A537M-13** Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, **01.04**

*A538/A538M Withdrawn 1989; Specification for Pressure Vessel Plates, Alloy Steel, Precipitation Hardening (Maraging), 18 Percent Nickel*

*A539 Withdrawn 2004; Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines*

**A540/A540M-11** Specification for Alloy-Steel Bolting for Special Applications, **01.01**

**A541/A541M-05(2010)** Specification for Quenched and Tempered Carbon and Alloy Steel Forgings for Pressure Vessel Components, **01.05**

**A542/A542M-13** Specification for Pressure Vessel Plates, Alloy Steel, Quenched-and-Tempered, Chromium-Molybdenum, and Chromium-Molybdenum-Vanadium, **01.04**

**A543/A543M-09** Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered Nickel-Chromium-Molybdenum, **01.04**

*A544 Withdrawn 1991; Specification for Steel Wire, Carbon, Scrapless Nut Quality*

*A545 Withdrawn 1991; Specification for Steel Wire, Carbon, Cold-Heading Quality, for Machine Screws*

*A546 Withdrawn 1991; Specification for Steel Wire, Medium-High-Carbon, Cold-Heading Quality, for Hexagon-Head Bolts*

*A547 Withdrawn 1991; Specification for Steel Wire, Alloy, Cold-Heading Quality, for Hexagon-Head Bolts*

*A548 Withdrawn 1991; Specification for Steel Wire, Carbon, Cold-Heading Quality, for Tapping or Sheet Metal Screws*

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*A549 Withdrawn 1991; Specification for Steel Wire, Carbon, Cold-Heading Quality, for Wood Screws*
**A550-06(2010)** Specification for Ferrocolumbium, **01.02**
**A551/A551M-08(2013)** Specification for Carbon Steel Tires for Railway and Rapid Transit Applications, **01.05**
*A552 Withdrawn 1974; Specification for Alloy Steel Bars for Springs; Replaced by A689*
**A553/A553M-10** Specification for Pressure Vessel Plates, Alloy Steel, Quenched and Tempered 8 and 9 % Nickel, **01.04**
**A554-13** Specification for Welded Stainless Steel Mechanical Tubing, **01.01**
**A555/A555M-05(2009)** Specification for General Requirements for Stainless Steel Wire and Wire Rods, **01.03**
**A556/A556M-96(2012)** Specification for Seamless Cold-Drawn Carbon Steel Feedwater Heater Tubes, **01.01**
*A557/A557M Withdrawn 1995; Specification for Electric-Resistance-Welded Carbon Steel Feedwater Heater Tubes; Replaced by A178*
*A558 Withdrawn 1969; Specification for Bare Mild Steel Electrodes and Fluxes for Submerged Arc Welding*
*A559 Withdrawn 1969; Specification for Mild Steel Electrodes for Gas Metal-Arc Welding*
**A560/A560M-12** Specification for Castings, Chromium-Nickel Alloy, **01.02**
**A561-08** Practice for Macroetch Testing of Tool Steel Bars, **01.05**
**A562/A562M-10** Specification for Pressure Vessel Plates, Carbon Steel, Manganese-Titanium for Glass or Diffused Metallic Coatings, **01.04**
**A563-07a** Specification for Carbon and Alloy Steel Nuts, **01.08**
**A563M-07** Specification for Carbon and Alloy Steel Nuts (Metric), **01.08**
**A564/A564M-13** Specification for Hot-Rolled and Cold-Finished Age-Hardening Stainless Steel Bars and Shapes, **01.03**
**A565/A565M-10** Specification for Martensitic Stainless Steel Bars for High-Temperature Service, **01.03**
*A566 Withdrawn 1984; Test Method for Alternating-Current Magnetic Properties of Materials Using the Alternating Current Potentiometer and 25-cm Epstein frame*
*A567/A567M Withdrawn 1987; Specification for Castings, Iron, Cobalt, and Nickel-Base Alloy, for High Strength at Elevated Temperatures*
*A568M Withdrawn 1991; Replaced by A568/A568M*
**A568/A568M-13a**$^{\varepsilon 1}$ Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for, **01.03**
*A569/A569M Withdrawn 2000; Specification for Steel, Carbon (0.15 Maximum, Percent), Hot-Rolled Sheet and Strip Commercial; Replaced by A1011/A1011M*
*A570/A570M Withdrawn 2000; Specification for Structural Steel, Sheet and Strip, Carbon, Hot-Rolled; Replaced by A1011/A1011M*
*A571M Withdrawn 2001; Replaced by A571/A571M*
**A571/A571M-01(2011)** Specification for Austenitic Ductile Iron Castings for Pressure-Containing Parts Suitable for Low-Temperature Service, **01.02**
**A572/A572M-13a** Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel, **01.04**
**A573/A573M-13** Specification for Structural Carbon Steel Plates of Improved Toughness, **01.04**
**A574-13** Specification for Alloy Steel Socket-Head Cap Screws, **01.08**
**A574M-12** Specification for Alloy Steel Socket-Head Cap Screws (Metric), **01.08**
**A575-96(2013)**$^{\varepsilon 1}$ Specification for Steel Bars, Carbon, Merchant Quality, M-Grades, **01.05**
**A576-90b(2012)** Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, **01.05**
**A577/A577M-90(2012)** Specification for Ultrasonic Angle-Beam Examination of Steel Plates, **01.04**
**A578/A578M-07(2012)** Specification for Straight-Beam Ultrasonic Examination of Rolled Steel Plates for Special Applications, **01.04**
**A579/A579M-04a(2009)** Specification for Superstrength Alloy Steel Forgings, **01.05**
**A580/A580M-13b** Specification for Stainless Steel Wire, **01.03**
**A581/A581M-95b(2009)** Specification for Free-Machining Stainless Steel Wire and Wire Rods, **01.03**
**A582/A582M-12**$^{\varepsilon 1}$ Specification for Free-Machining Stainless Steel Bars, **01.03**
*A583 Withdrawn 2004; Specification for Cast Steel Wheels for Railway Service*
*A584 Withdrawn 2002; Specification for Aluminum-Coated Steel Woven Wire Fence Fabric; Replaced by A116*
*A585 Withdrawn 2002; Specification for Aluminum-Coated Steel Barbed Wire; Replaced by A121*
**A586-04a(2009)**$^{\varepsilon 1}$ Specification for Zinc-Coated Parallel and Helical Steel Wire Structural Strand, **01.06**
**A587-96(2012)** Specification for Electric-Resistance-Welded Low-Carbon Steel Pipe for the Chemical Industry, **01.01**
**A588/A588M-10** Specification for High-Strength Low-Alloy Structural Steel, up to 50 ksi 345 MPa Minimum Yield Point, with Atmospheric Corrosion Resistance, **01.04**
**A589/A589M-06(2012)** Specification for Seamless and Welded Carbon Steel Water-Well Pipe, **01.01**
*A590 Withdrawn 1984; Specification for Pressure Vessel Plates, Alloy Steel, Precipitation Hardening (Maraging) 12 Percent Nickel*
*A591/A591M Withdrawn 2005; Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Weight Applications; Replaced by A879/A879M*
**A592/A592M-10** Specification for High-Strength Quenched and Tempered Low-Alloy Steel Forged Parts for Pressure Vessels, **01.05**
*A593 Withdrawn 1976; Specification for Charpy V-Notch Testing Requirements for Steel Plates for Pressure Vessel*
*A594 Withdrawn 1986; Specification for Carbon Steel Forgings with Special Magnetic Characteristics*
**A595/A595M-11** Specification for Steel Tubes, Low-Carbon or High-Strength Low-Alloy, Tapered for Structural Use, **01.01**
**A596/A596M-95(2009)**$^{\varepsilon 1}$ Test Method for Direct-Current Magnetic Properties of Materials Using the Ballistic Method and Ring Specimens, **03.04**
**A597-87(2010)** Specification for Cast Tool Steel, **01.05**
**A598/A598M-02(2007)** Test Method for Magnetic Properties of Magnetic Amplifier Cores, **03.04**
**A599/A599M-07(2012)** Specification for Tin Mill Products, Electrolytic Tin-Coated, Cold-Rolled Sheet, **01.06**
**A600-92a(2010)** Specification for Tool Steel High Speed, **01.05**
**A601/A601M-10** Specification for Electrolytic Manganese Metal, **01.02**
**A602-94(2009)** Specification for Automotive Malleable Iron Castings, **01.02**
**A603-98(2009)**$^{\varepsilon 1}$ Specification for Zinc-Coated Steel Structural Wire Rope, **01.06**
**A604/A604M-07(2012)** Practice for Macroetch Testing of Consumable Electrode Remelted Steel Bars and Billets, **01.05**
*A605/A605M Withdrawn 1989; Specification for Pressure Vessel Plates, Alloy Steel, Quenched-and-Tempered Nickel-Cobalt-Molybdenum-Chromium*
**A606/A606M-09a** Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance, **01.03**
*A607 Withdrawn 2000; Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled and Cold-Rolled; Replaced by A1008/A1008M, A1011/A1011M*
**A608/A608M-12** Specification for Centrifugally Cast Iron-Chromium-Nickel High-Alloy Tubing for Pressure Application at High Temperatures, **01.02**
**A609/A609M-12** Practice for Castings, Carbon, Low-Alloy, and Martensitic Stainless Steel, Ultrasonic Examination Thereof, **01.02**
**A610-79(2009)** Test Methods for Sampling and Testing Ferroalloys for Determination of Size, **01.02**
*A611 Withdrawn 2000; Specification for Structural Steel (SS), Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*
**A612/A612M-12** Specification for Pressure Vessel Plates, Carbon Steel, High Strength, for Moderate and Lower Temperature Service, **01.04**
*A613 Withdrawn 1984; Specification for Special Requirements for Steel Castings for Nuclear and Other Special Applications*
*A614 Withdrawn 1987; Specification for Special Requirements for Bolting Material for Nuclear and Other Special Applications*
**A615/A615M-13** Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement, **01.04**
**A618/A618M-04(2010)** Specification for Hot-Formed Welded and Seamless High-Strength Low-Alloy Structural Tubing, **01.01**
*A619/A619M Withdrawn 1997; Specification for Non-Killed Forming Steel (NKFS) Sheet, Carbon, Cold-Rolled*
*A620/A620M Withdrawn 2000; Specification for Drawing Steel (DS) Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*
*A621/A621M Withdrawn 1997; Specification for Forming Steel (FS) Sheet and Strip, Carbon, Hot-Rolled*
*A622/A622M Withdrawn 2000; Specification for Drawing Steel (DS), Sheet and Strip, Carbon, Hot-Rolled; Replaced by A1011/A1011M*
**A623-11** Specification for Tin Mill Products, General Requirements, **01.06**
**A623M-11** Specification for Tin Mill Products, General Requirements Metric, **01.06**
*A624M Withdrawn 1995; Replaced by A624/A624M*
**A624/A624M-13** Specification for Tin Mill Products, Electrolytic Tin Plate, Single Reduced, **01.06**
*A625M Withdrawn 1992; Replaced by A625/A625M*
**A625/A625M-13** Specification for Tin Mill Products, Black Plate, Single-Reduced, **01.06**
*A626M Withdrawn 1995; Replaced by A626/A626M*
**A626/A626M-13** Specification for Tin Mill Products, Electrolytic Tin Plate, Double Reduced, **01.06**
**A627-03(2011)** Test Methods for Tool-Resisting Steel Bars, Flats, and Shapes for Detention and Correctional Facilities, **15.08**
*A628 Withdrawn 1982; Specification for Tool-Resisting Composite Steel Plates for Security Applications*
*A629 Withdrawn 2004; Specification for Tool-Resisting Steel Flat Bars and Shapes for Security Applications; Replaced by A627*
**A630-03(2009)** Test Methods for Determination of Tin Coating Weights for Electrolytic Tin Plate, **01.06**
*A631 Withdrawn 1993; Specification for Cast Steel Wheels for Electrical Railway Service; Replaced by A583*
**A632-04(2009)** Specification for Seamless and Welded Austenitic Stainless Steel Tubing (Small-Diameter) for General Service, **01.01**
**A633/A633M-13** Specification for Normalized High-Strength Low-Alloy Structural Steel Plates, **01.04**
*A634 Withdrawn 1978; Specification for Steel Sheet and Strip, Alloy, Hot-Rolled and Cold-Rolled, Aircraft Quality*
*A635M Withdrawn 1990; Replaced by A635/A635M*
**A635/A635M-13** Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Alloy, Carbon, Structural, High-Strength Low-Alloy, and High-Strength Low-Alloy with Improved Formability, General Requirements for, **01.03**
**A636-08(2013)** Specification for Nickel Oxide Sinter, **01.02**
*A637 Redesignated 1981 - B637; Specification for Precipitation Hardening*

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*Nickel Alloy Bars, Forgings, and Forging Stock for High-Temperature Service*

**A638/A638M-10** Specification for Precipitation Hardening Iron Base Superalloy Bars, Forgings, and Forging Stock for High-Temperature Service, **01.03**

*A639 Redesignated 1980 - B639; Specification for Precipitation Hardening Cobalt Containing Alloy Bars, Forgings and Forging Stock for High-Temperature Service*

**A640-97(2009)ε1** Specification for Zinc-Coated Steel Strand for Messenger Support of Figure 8 Cable, **01.06**

*A641M Withdrawn 1997; Replaced by A641/A641M*

**A641/A641M-09a** Specification for Zinc–Coated (Galvanized) Carbon Steel Wire, **01.06**

*A642/A642M Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Drawing Quality, Special Killed; Replaced by A653/A653M,A924/A924M*

*A643 Withdrawn 1982; Specification for Steel, Castings, Heavy-Walled, Carbon and Alloy for Pressure Vessels*

**A644-13** Terminology Relating to Iron Castings, **01.02**

**A645/A645M-10** Specification for Pressure Vessel Plates, 5 % and 5 1/2 % Nickel Alloy Steels, Specially Heat Treated, **01.04**

**A646/A646M-06(2011)** Specification for Premium Quality Alloy Steel Blooms and Billets for Aircraft and Aerospace Forgings, **01.05**

*A647 Withdrawn 1982; Specification for Special Requirements for Steel Plates for Nuclear and Other Special Applications*

**A648-12** Specification for Steel Wire, Hard-Drawn for Prestressed Concrete Pipe, **01.04**

**A649/A649M-10** Specification for Forged Steel Rolls Used for Corrugating Paper Machinery, **01.05**

**A650/A650M-13** Specification for Tin Mill Products, Black Plate, Double Reduced, **01.06**

*A651 Withdrawn 1987; Specification for Stainless Steel, Water-DWV Tube*

*A652 Withdrawn 1984; Specification for Special Requirements for Steel Plates for Wrought Steel Welding Fittings for Nuclear and Other Special Applications*

**A653/A653M-11** Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, **01.06**

*A654 Withdrawn 1984; Specification for Special Requirements for Steel Forgings and Bars for Nuclear and Other Special Applications*

*A655 Withdrawn 1984; Specification for Special Requirements for Pipe and Tubing for Nuclear and Other Special Applications*

**A656/A656M-13** Specification for Hot-Rolled Structural Steel, High-Strength Low-Alloy Plate with Improved Formability, **01.04**

**A657/A657M-13** Specification for Tin Mill Products, Black Plate Electrolytic Chromium-Coated, Single and Double Reduced, **01.06**

*A658/A658M Withdrawn 1989; Specification for Pressure Vessel Plates, Alloy Steel, 36 Percent Nickel*

**A659/A659M-12** Specification for Commercial Steel (CS), Sheet and Strip, Carbon (0.16 Maximum to 0.25 Maximum Percent), Hot-Rolled, **01.03**

**A660/A660M-11** Specification for Centrifugally Cast Carbon Steel Pipe for High-Temperature Service, **01.02**

*A661 Not Assigned*

**A662/A662M-12** Specification for Pressure Vessel Plates, Carbon-Manganese-Silicon Steel, for Moderate and Lower Temperature Service, **01.04**

**A663/A663M-12** Specification for Steel Bars, Carbon, Merchant Quality, Mechanical Properties, **01.05**

**A664-11** Practice for Identification of Standard Electrical Steel Grades in ASTM Specifications, **03.04**

*A665 Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed, Types 23g048, 27g053, 30g058, and 35g066 [Metric]; Replaced by A876/A876M*

*A665M Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed, Types 23g048, 27g053, 30g058, and 35g066 [Metric]; Replaced by A876/A876M*

**A666-10** Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar, **01.03**

**A667/A667M-87(2012)** Specification for Centrifugally Cast Dual Metal (Gray and White Cast Iron) Cylinders, **01.02**

**A668/A668M-13ε1** Specification for Steel Forgings, Carbon and Alloy, for General Industrial Use, **01.05**

*A669 Withdrawn 1984; Specification for Seamless Ferritic-Austenitic Alloy Steel Tubes; Replaced by A789*

*A670 Redesignated 1979 - B670; Specification for Precipitation Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Striip for High-Temperature Service*

**A671/A671M-13** Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures, **01.01**

**A672/A672M-09** Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures, **01.01**

**A673/A673M-07(2012)** Specification for Sampling Procedure for Impact Testing of Structural Steel, **01.04**

**A674-10** Practice for Polyethylene Encasement for Ductile Iron Pipe for Water or Other Liquids, **01.02**

**A675/A675M-03(2009)** Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, Mechanical Properties, **01.05**

*A676 Withdrawn 1990; Specification for Hot-Dipped Aluminum Coatings on Ferrous Articles*

**A677-12** Specification for Nonoriented Electrical Steel Fully Processed Types, **03.04**

*A677M Withdrawn 2000; Replaced by A677/A677M*

*A678/A678M Withdrawn 2010; Specification for Quenched-and-Tempered Carbon and High-Strength Low-Alloy Structural Steel Plates*

**A679/A679M-06(2012)** Specification for Steel Wire, High Tensile Strength, Cold Drawn, **01.03**

*A680/A680M Withdrawn 1986; Specification for Steel, Strip, High-Carbon, Cold-Rolled Hard, Untempered Quality; Replaced by A684/A684M*

**A681-08** Specification for Tool Steels Alloy, **01.05**

*A682/A682M Withdrawn 2009; Specification for Steel, Strip, High-Carbon, Cold-Rolled, General Requirements For*

**A683-05(2010)** Specification for Nonoriented Electrical Steel, Semiprocessed Types, **03.04**

*A683M Withdrawn 1999; Replaced by A683/A683M*

*A685 Withdrawn 1986; Specification for Machined Flat and Square Tool Steel Bars; Replaced by A681*

**A686-92(2010)** Specification for Tool Steel, Carbon, **01.05**

*A687 Withdrawn 1999; Specification for High-Strength Nonheaded Steel Bolts and Studs*

**A688/A688M-12** Specification for Seamless and Welded Austenitic Stainless Steel Feedwater Heater Tubes, **01.01**

**A689-97(2013)ε1** Specification for Carbon and Alloy Steel Bars for Springs, **01.05**

**A690/A690M-13a** Specification for High-Strength Low-Alloy Nickel, Copper, Phosphorus Steel H-Piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments, **01.04**

**A691/A691M-09** Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperatures, **01.01**

*A692 Withdrawn 1995; Specification for Seamless Medium-Strength Carbon-Molybdenum Alloy-Steel Boiler and Superheater Tubes; Replaced by A209*

**A693-13** Specification for Precipitation-Hardening Stainless and Heat-Resisting Steel Plate, Sheet, and Strip, **01.03**

**A694/A694M-13** Specification for Carbon and Alloy Steel Forgings for Pipe Flanges, Fittings, Valves, and Parts for High-Pressure Transmission Service, **01.01**

*A695 Withdrawn 2002; Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality, for Fluid Power Applications*

**A696-90a(2012)** Specification for Steel Bars, Carbon, Hot-Wrought or Cold-Finished, Special Quality, for Pressure Piping Components, **01.05**

**A697/A697M-13** Test Method for Alternating Current Magnetic Properties of Laminated Core Specimen Using Voltmeter-Ammeter-Wattmeter Methods, **03.04**

**A698/A698M-07** Test Method for Magnetic Shield Efficiency in Attenuating Alternating Magnetic Fields, **03.04**

*A699 Withdrawn 1986; Specification for Low-Carbon Manganese-Molybdenum-Columbium Alloy Steel Plates*

*A700 Withdrawn 2014; Practices for Packaging, Marking, and Loading Methods for Steel Products for Shipment*

**A701/A701M-10** Specification for Ferromanganese-Silicon, **01.02**

**A702-13** Specification for Steel Fence Posts, Hot Wrought, **01.05**

**A703/A703M-13a** Specification for Steel Castings, General Requirements, for Pressure-Containing Parts, **01.02**

**A704/A704M-06(2011)** Specification for Welded Steel Plain Bar or Rod Mats for Concrete Reinforcement, **01.04**

**A705/A705M-13** Specification for Age-Hardening Stainless Steel Forgings, **01.03**

**A706/A706M-13** Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement, **01.04**

**A707/A707M-13** Specification for Forged Carbon and Alloy Steel Flanges for Low-Temperature Service, **01.01**

*A708 Withdrawn 1989; Recommended Practice for Detection of Susceptibility to Intergranular Corrosion in Severely Sensitized Austenitic Stainless Steel*

**A709/A709M-13a** Specification for Structural Steel for Bridges, **01.04**

**A710/A710M-02(2013)** Specification for Precipitation–Strengthened Low-Carbon Nickel-Copper-Chromium-Molybdenum-Columbium Alloy Structural Steel Plates, **01.04**

**A711/A711M-07(2012)** Specification for Steel Forging Stock, **01.05**

**A712-07(2013)** Test Method for Electrical Resistivity of Soft Magnetic Alloys, **03.04**

**A713-04(2010)** Specification for Steel Wire, High-Carbon Spring, for Heat-Treated Components, **01.03**

**A714-99(2009)ε1** Specification for High-Strength Low-Alloy Welded and Seamless Steel Pipe, **01.01**

*A715 Withdrawn 2000; Specification for Steel Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled, and Steel Sheet, Cold-Rolled, High-Strength, Low-Alloy, with Improved Formability; Replaced by A1008/A1008M, A1011/A1011M*

**A716-08** Specification for Ductile Iron Culvert Pipe, **01.02**

**A717/A717M-12** Test Method for Surface Insulation Resistivity of Single-Strip Specimens, **03.04**

*A718 Withdrawn 1996; Test Method for Surface Insulation Resistivity of Multi-Strip Specimens*

**A719/A719M-02(2007)** Test Method for Lamination Factor of Magnetic Materials, **03.04**

**A720/A720M-02(2011)** Test Method for Ductility of Nonoriented Electrical Steel, **03.04**

**A721/A721M-02(2011)** Test Method for Ductility of Oriented Electrical Steel, **03.04**

**A722/A722M-12** Specification for Uncoated High-Strength Steel Bars for Prestressing Concrete, **01.04**

**A723/A723M-10** Specification for Alloy Steel Forgings for High-Strength Pressure Component Application, **01.05**

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**A724/A724M-09(2013)** Specification for Pressure Vessel Plates, Carbon-Manganese-Silicon Steel, Quenched and Tempered, for Welded Pressure Vessels, **01.04**

*A725 Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon Iron, Electrical Steel, Fully Processed, Types 27h076, 30h083, 35h094; Replaced by A876M*

*A725M Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, Silicon Iron, Electrical Steel, Fully Processed, Types 27h076, 30h083, 35h094 [Metric]; Replaced by A876M*

**A726-05(2010)** Specification for Cold-Rolled Magnetic Lamination Quality Steel, Semiprocessed Types, **03.04**

*A726M Withdrawn 1998; Specification for Cold-Rolled Magnetic Lamination Quality Steel, Semiprocessed Types [Metric]*

**A727/A727M-13** Specification for Carbon Steel Forgings for Piping Components with Inherent Notch Toughness, **01.01**

*A728 Not Assigned*

**A729/A729M-09ε1** Specification for Alloy Steel Axles, Heat-Treated, for Mass Transit and Electric Railway Service, **01.05**

*A730 Withdrawn 2004; Specification for Forgings, Carbon and Alloy Steel, for Railway Use; Replaced by A668*

*A731/A731M Withdrawn 1995; Specification for Seamless, Welded Ferritic, and Martensitic Stainless Steel Pipe; Replaced by A268*

**A732/A732M-09** Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application, and Cobalt Alloy for High Strength at Elevated Temperatures, **01.02**

**A733-13** Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples, **01.01**

**A734/A734M-12** Specification for Pressure Vessel Plates, Alloy Steel and High-Strength Low-Alloy Steel, Quenched-and-Tempered, **01.04**

**A735/A735M-12** Specification for Pressure Vessel Plates, Low-Carbon Manganese-Molybdenum-Columbium Alloy Steel, for Moderate and Lower Temperature Service, **01.04**

**A736/A736M-12** Specification for Pressure Vessel Plates, Low-Carbon Age-Hardening Nickel-Copper-Chromium-Molybdenum-Columbium Alloy Steel, **01.04**

**A737/A737M-09(2013)** Specification for Pressure Vessel Plates, High-Strength, Low-Alloy Steel, **01.04**

**A738/A738M-12a** Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel, for Moderate and Lower Temperature Service, **01.04**

**A739-90a(2012)** Specification for Steel Bars, Alloy, Hot-Wrought, for Elevated Temperature or Pressure-Containing Parts, or Both, **01.05**

**A740-98(2008)** Specification for Hardware Cloth (Woven or Welded Galvanized Steel Wire Fabric), **01.06**

**A741-11ε1** Specification for Metallic-Coated Steel Wire Rope and Fittings for Highway Guardrail, **01.06**

**A742/A742M-13** Specification for Steel Sheet, Metallic Coated and Polymer Precoated for Corrugated Steel Pipe, **01.06**

**A743/A743M-13a** Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application, **01.02**

**A744/A744M-13** Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service, **01.02**

**A745/A745M-12** Practice for Ultrasonic Examination of Austenitic Steel Forgings, **01.05**

**A746-09** Specification for Ductile Iron Gravity Sewer Pipe, **01.02**

**A747/A747M-12** Specification for Steel Castings, Stainless, Precipitation Hardening, **01.02**

**A748/A748M-87(2012)** Specification for Statically Cast Chilled White Iron-Gray Iron Dual Metal Rolls for Pressure Vessel Use, **01.02**

*A749M Withdrawn 1991; Replaced by A749/A749M*

**A749/A749M-08** Specification for Steel, Strip, Carbon and High-Strength, Low-Alloy, Hot-Rolled, General Requirements for, **01.03**

*A750 Withdrawn 2004; Specification for Steel Air Ventillatilating Grille Units for Detention Areas*

**A751-11** Test Methods, Practices, and Terminology for Chemical Analysis of Steel Products, **01.01, 01.02, 01.03, 01.04, 01.05**

*A752 Withdrawn 2011; Specification for General Requirements for Wire Rods and Coarse Round Wire, Alloy Steel; Replaced by A510*

*A752M Withdrawn 2011; Specification for General Requirements for Wire Rods and Coarse Round Wire, Alloy Steel (Metric); Replaced by A510*

**A753-08(2013)** Specification for Wrought Nickel-Iron Soft Magnetic Alloys (UNS K94490, K94840, N14076, N14080), **03.04**

**A754/A754M-11** Test Method for Coating Weight (Mass) of Metallic Coatings on Steel by X-Ray Fluorescence, **01.06**

**A755/A755M-11** Specification for Steel Sheet, Metallic Coated by the Hot-Dip Process and Prepainted by the Coil-Coating Process for Exterior Exposed Building Products, **01.06**

**A756-09** Specification for Stainless Anti-Friction Bearing Steel, **01.05**

**A757/A757M-10** Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications, for Low-Temperature Service, **01.02**

**A758/A758M-13** Specification for Wrought-Carbon Steel Butt-Welding Piping Fittings with Improved Notch Toughness, **01.01**

**A759-10** Specification for Carbon Steel Crane Rails, **01.04**

**A760/A760M-13** Specification for Corrugated Steel Pipe, Metallic-Coated for Sewers and Drains, **01.06**

**A761/A761M-13a** Specification for Corrugated Steel Structural Plate, Zinc-Coated, for Field-Bolted Pipe, Pipe-Arches, and Arches, **01.06**

**A762/A762M-08** Specification for Corrugated Steel Pipe, Polymer Precoated for Sewers and Drains, **01.06**

**A763-93(2009)** Practices for Detecting Susceptibility to Intergranular Attack in Ferritic Stainless Steels, **01.03**

**A764-07(2012)** Specification for Metallic Coated Carbon Steel Wire, Coated at Size and Drawn to Size for Mechanical Springs, **01.06**

**A765/A765M-07(2012)** Specification for Carbon Steel and Low-Alloy Steel Pressure-Vessel-Component Forgings with Mandatory Toughness Requirements, **01.05**

*A766/A766M Withdrawn 1991; Specification for Forgings, Leaded, and Resulfurized Carbon Steel, for Pressure-Containing Applications*

**A767/A767M-09** Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement, **01.04**

**A768/A768M-05(2010)** Specification for Vacuum-Treated 12% Chromium Alloy Steel Forgings for Turbine Rotors and Shafts, **01.05**

**A769/A769M-05(2010)** Specification for Carbon and High-Strength Electric Resistance Forge-Welded Steel Structural Shapes, **01.04**

**A770/A770M-03(2012)** Specification for Through-Thickness Tension Testing of Steel Plates for Special Applications, **01.04**

*A771/A771M Withdrawn 2004; Specification for Seamless Austenitic and Martensitic Stainless Steel Tubing for Liquid Metal-Cooled Reactor Core Components*

**A772/A772M-00(2011)ε1** Test Method for AC Magnetic Permeability of Materials Using Sinusoidal Current, **03.04**

**A773/A773M-01(2009)** Test Method for dc Magnetic Properties of Materials Using Ring and Permeameter Procedures with dc Electronic Hysteresigraphs, **03.04**

**A774/A774M-13** Specification for As-Welded Wrought Austenitic Stainless Steel Fittings for General Corrosive Service at Low and Moderate Temperatures, **01.01**

**A775/A775M-07b** Specification for Epoxy-Coated Steel Reinforcing Bars, **01.04**

*A776 Not Assigned*

*A777 Withdrawn 1995; Specification for Galvanized Round Steel Tying Wire*

**A778-01(2009)ε1** Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products, **01.01**

**A779/A779M-12** Specification for Steel Strand, Seven-Wire, Uncoated, Compacted for Prestressed Concrete, **01.04**

**A780/A780M-09** Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings, **01.06**

**A781/A781M-13a** Specification for Castings, Steel and Alloy, Common Requirements, for General Industrial Use, **01.02**

*A782/A782M Withdrawn 2010; Specification for Pressure-Vessel Plates, Quenched-and-Tempered, Manganese-Chromium-Molybdenum-Silicon Zirconium Alloy Steel*

*A783 Withdrawn 1987; Specification for Aluminum-Zinc Alloy-Coated Steel Chain Link Fence Fabric*

*A784 Withdrawn 1988; Specification for Aluminum-Zinc Alloy-Coated Steel Wire Rope and Fittings for Highway Guard Rail*

*A785 Withdrawn 1988; Specification for Aluminum-Zinc Alloy-Coated Steel Wire Strand*

**A786/A786M-05(2009)** Specification for Hot-Rolled Carbon, Low-Alloy, High-Strength Low-Alloy, and Alloy Steel Floor Plates, **01.04**

**A787/A787M-09** Specification for Electric-Resistance-Welded Metallic-Coated Carbon Steel Mechanical Tubing, **01.01**

**A788/A788M-11** Specification for Steel Forgings, General Requirements, **01.05**

**A789/A789M-13aε1** Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service, **01.01**

**A790/A790M-13a** Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe, **01.01**

*A791/A791M Withdrawn 1995; Specification for Welded, Unannealed Ferritic Stainless Steel Tubing; Replaced by A268/A268M*

*A792M Withdrawn 1994; Replaced by A792/A792M*

**A792/A792M-10** Specification for Steel Sheet, 55 % Aluminum-Zinc Alloy-Coated by the Hot-Dip Process, **01.06**

**A793-96(2009)** Specification for Rolled Floor Plate, Stainless Steel, **01.03**

**A794/A794M-12** Specification for Commercial Steel (CS), Sheet, Carbon (0.16 % Maximum to 0.25 % Maximum), Cold-Rolled, **01.03**

**A795/A795M-13** Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use, **01.01**

**A796/A796M-13a** Practice for Structural Design of Corrugated Steel Pipe, Pipe-Arches, and Arches for Storm and Sanitary Sewers and Other Buried Applications, **01.06**

*A797 Withdrawn 1990; Specification for Aluminum-Zinc Alloy-Coated Steel Overhead Ground Wire Strand*

**A798/A798M-13** Practice for Installing Factory-Made Corrugated Steel Pipe for Sewers and Other Applications, **01.06**

**A799/A799M-10** Practice for Steel Castings, Stainless, Instrument Calibration, for Estimating Ferrite Content, **01.02**

**A800/A800M-10** Practice for Steel Casting, Austenitic Alloy, Estimating Ferrite Content Thereof, **01.02**

**A801-09** Specification for Wrought Iron-Cobalt High Magnetic Saturation Alloys (UNS R30005 and K92650), **03.04**

**A802/A802M-95(2010)ε1** Practice for Steel Castings, Surface Acceptance Standards, Visual Examination, **01.02**

**A803/A803M-12** Specification for Seamless and Welded Ferritic Stainless Steel Feedwater Heater Tubes, **01.01**

**A804/A804M-04(2009)ε1** Test Methods for Alternating-Current Magnetic Properties of Materials at Power Frequencies Using Sheet-Type Test Specimens, **03.04**

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**A805/A805M-09** Specification for Steel, Flat Wire, Carbon, Cold-Rolled, **01.03**
*A806/A806M Withdrawn 1995; Specification for Steel Sheet, 55 Aluminum-Zinc Alloy Coated by the Hot-Dip Process for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
**A807/A807M-13** Practice for Installing Corrugated Steel Structural Plate Pipe for Sewers and Other Applications, **01.06**
*A808/A808M Withdrawn 2005; Specification for High-Strength, Low-Alloy Carbon, Manganese, Columbium, Vanadium Steel of Structural Quality with Improved Notch Toughness; Replaced by A656*
**A809-08(2013)** Specification for Aluminum-Coated (Aluminized) Carbon Steel Wire, **01.06**
**A810-01(2009)$^{\varepsilon 1}$** Specification for Zinc-Coated (Galvanized) Steel Pipe Winding Mesh, **01.06**
**A811-03(2008)** Specification for Soft Magnetic Iron Parts Fabricated by Powder Metallurgy (P/M) Techniques, **03.04**
*A812/A812M Withdrawn 1997; Specification for Steel Sheet, High-Strength, Low-Alloy, Hot-Rolled, for Welded Layered Pressure Vessels*
**A813/A813M-09** Specification for Single- or Double-Welded Austenitic Stainless Steel Pipe, **01.01**
**A814/A814M-08** Specification for Cold-Worked Welded Austenitic Stainless Steel Pipe, **01.01**
**A815/A815M-13a** Specification for Wrought Ferritic, Ferritic/Austenitic, and Martensitic Stainless Steel Piping Fittings, **01.01**
*A816/A816M Withdrawn 1994; Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, High-Strength, Low Alloy; Replaced by A653/A653M, A924/A924M*
**A817-12** Specification for Metallic-Coated Steel Wire for Chain-Link Fence Fabric and Marcelled Tension Wire, **01.06**
**A818-06(2010)** Specification for Coppered Carbon Steel Wire, **01.06**
*A819 Withdrawn 1995; Specification for Steel Sheet, Aluminum-Coated Type 2 for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
**A820/A820M-11** Specification for Steel Fibers for Fiber-Reinforced Concrete, **01.04**
**A821/A821M-10** Specification for Steel Wire, Hard-Drawn for Prestressed Concrete Tanks, **01.04**
**A822/A822M-04(2010)** Specification for Seamless Cold-Drawn Carbon Steel Tubing for Hydraulic System Service, **01.01**
**A823-99(2012)** Specification for Statically Cast Permanent Mold Gray Iron Castings, **01.02**
**A824-01(2012)** Specification for Metallic-Coated Steel Marcelled Tension Wire for Use With Chain Link Fence, **01.06**
*A825 Withdrawn 1991; Specification for Steel Sheet, Composite Coated for Corrugated Steel Sewer Pipe and Bin-Type Retaining Walls*
*A826/A826M Withdrawn 2004; Specification for Seamless Austenitic and Martensitic Stainless Steel Duct Tubes for Liquid Metal-Cooled Reactor Core Components*
**A827/A827M-11** Specification for Plates, Carbon Steel, for Forging and Similar Applications, **01.04**
*A828 Not Assigned*
**A829/A829M-11** Specification for Alloy Structural Steel Plates, **01.04**
**A830/A830M-13** Specification for Plates, Carbon Steel, Structural Quality, Furnished to Chemical Composition Requirements, **01.04**
*A831/A831M Withdrawn 2005; Specification for Austenitic and Martensitic Stainless Steel Bars, Billets, and Forgings for Liquid Metal Cooled Reactor Core Components*
**A832/A832M-10** Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum-Vanadium, **01.04**
**A833-08a** Practice for Indentation Hardness of Metallic Materials by Comparison Hardness Testers, **01.05**
**A834-95(2011)** Specification for Common Requirements for Iron Castings for General Industrial Use, **01.02**
**A835/A835M-10** Specification for Sizes of Ferroalloys and Alloy Additives, **01.02**
**A836/A836M-13** Specification for Titanium-Stabilized Carbon Steel Forgings for Glass-Lined Piping and Pressure Vessel Service, **01.01**
**A837/A837M-06(2011)** Specification for Steel Forgings, Alloy, for Carburizing Applications, **01.05**
**A838-02(2013)** Specification for Free-Machining Ferritic Stainless Soft Magnetic Alloy Bar for Relay Applications, **03.04**
**A839-02(2008)** Specification for Iron-Phosphorus Powder Metallurgy (P/M) Parts for Soft Magnetic Applications, **03.04**
*A840 Withdrawn 2011; Specification for Fully Processed Magnetic Lamination Steel*
**A841/A841M-13** Specification for Steel Plates for Pressure Vessels, Produced by Thermo-Mechanical Control Process (TMCP), **01.04**
**A842-11a** Specification for Compacted Graphite Iron Castings, **01.02**
*A843 Withdrawn 1988; Specification for Flat-Rolled, Grain-Oriented, High Permeability, Silicon-Iron Electrical Steel, Fully Processed, Types 27p066, 30p070, 35p076; Replaced by A876/A876M*
**A844/A844M-09** Specification for Steel Plates, 9% Nickel Alloy, for Pressure Vessels, Produced by the Direct-Quenching Process, **01.04**
*A845 Withdrawn 2005; Specification for Titanium Scrap for Use in Deoxidation and Alloying of Steel*
*A846 Withdrawn 2005; Specification for Aluminum Scrap for Use in Deoxidation and Alloying of Steel*
**A847/A847M-12** Specification for Cold-Formed Welded and Seamless High-Strength, Low-Alloy Structural Tubing with Improved Atmospheric Corrosion Resistance, **01.01**
**A848-01(2011)** Specification for Low-Carbon Magnetic Iron, **03.04**
**A849-10** Specification for Post-Applied Coatings, Pavings, and Linings for Corrugated Steel Sewer and Drainage Pipe, **01.06**
*A850 Withdrawn 1991; Specification for Steel Bars, Carbon-Manganese Merchant Quality with 50 ksi (345 MPa) Yield Point*
*A851 Withdrawn 2002; Specification for High-Frequency Induction Welded, Unannealed, Austenitic Steel Condenser Tubes*
*A852/A852M Withdrawn 2010; Specification for Quenched and Tempered Low-Alloy Structural Steel Plate with 70 ksi [485 MPa] Minimum Yield Strength to 4 in. [100 mm] Thick*
**A853-04(2010)** Specification for Steel Wire, Carbon, for General Use, **01.03**
**A854/A854M-08(2013)** Specification for Metallic-Coated Steel Smooth High-Tensile Fence and Trellis Wire, **01.06**
**A855/A855M-03(2009)** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Wire Strand, **01.06**
**A856/A856M-03(2009)** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Carbon Steel Wire, **01.06**
**A857/A857M-07(2013)** Specification for Steel Sheet Piling, Cold Formed, Light Gage, **01.04**
**A858/A858M-13** Specification for Heat-Treated Carbon Steel Fittings for Low-Temperature and Corrosive Service, **01.01**
**A859/A859M-04(2009)** Specification for Age-Hardening Alloy Steel Forgings for Pressure Vessel Components, **01.05**
**A860/A860M-13** Specification for Wrought High-Strength Ferritic Steel Butt-Welding Fittings, **01.01**
**A861-04(2013)** Specification for High-Silicon Iron Pipe and Fittings, **01.02**
**A862/A862M-98(2008)** Practice for Application of Asphalt Coatings to Corrugated Steel Sewer and Drainage Pipe, **01.06**
*A863 Withdrawn 1991; Specification for Corrugated Steel Pipe with Smooth PVC Liner for Sewers and Drains*
*A864/A864M Withdrawn 1997; Specification for Steel Wire, Deformed, for Prestressed Concrete Railroad Ties*
**A865/A865M-06(2012)** Specification for Threaded Couplings, Steel, Black or Zinc-Coated (Galvanized) Welded or Seamless, for Use in Steel Pipe Joints, **01.01**
**A866-09** Specification for Medium Carbon Anti-Friction Bearing Steel, **01.05**
**A867-03(2013)** Specification for Iron-Silicon Relay Steels, **03.04**
*A868 Not Assigned*
*A869 Not Assigned*
*A870 Not Assigned*
**A871/A871M-12** Specification for High-Strength Low-Alloy Structural Steel Plate With Atmospheric Corrosion Resistance, **01.04**
**A872/A872M-07a(2012)** Specification for Centrifugally Cast Ferritic/Austenitic Stainless Steel Pipe for Corrosive Environments, **01.02**
*A873/A873M Withdrawn 1997; Specification for Steel Sheet and Strip, Chromium-Molybdenum Alloy, for Pressure Vessels*
*A874M Withdrawn 1998; Replaced by A874/A874M*
**A875/A875M-13** Specification for Steel Sheet, Zinc-5 % Aluminum Alloy-Coated by the Hot-Dip Process, **01.06**
**A876-12** Specification for Flat-Rolled, Grain-Oriented, Silicon-Iron, Electrical Steel, Fully Processed Types, **03.04**
*A876M Withdrawn 1998; Replaced by A876A876M*
**A877/A877M-10$^{\varepsilon 1}$** Specification for Steel Wire, Chromium-Silicon Alloy, Chrome-Silicon-Vanadium Alloy Valve Spring Quality, **01.03**
**A878/A878M-05(2011)** Specification for Steel Wire, Modified Chromium Vanadium Valve Spring Quality, **01.03**
**A879/A879M-12** Specification for Steel Sheet, Zinc Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface, **01.06**
*A880 Withdrawn 2004; Practice for Criteria for Use in Evaluation of Testing Laboratories and Organizations for Examination and Inspection of Steel, Stainless Steel, and Related Alloys*
**A881/A881M-10** Specification for Steel Wire, Indented, Low-Relaxation for Prestressed Concrete Railroad Ties, **01.04**
**A882/A882M-04a(2010)** Specification for Filled Epoxy-Coated Seven-Wire Prestressing Steel Strand, **01.04**
*A883/A883M Withdrawn 2006; Test Method for Ferrimagnetic Resonance Linewidth and Gyromagnetic Ratio of Nonmetallic Magnetic Materials*
**A884/A884M-12** Specification for Epoxy-Coated Steel Wire and Welded Wire Reinforcement, **01.04**
*A885/A885M Withdrawn 2006; Specification for Steel Sheet, Zinc and Aramid Fiber Composite Coated for Corrugated Steel Sewer, Culvert, and Underdrain Pipe*
**A886/A886M-12** Specification for Steel Strand, Indented, Seven-Wire Stress-Relieved for Prestressed Concrete, **01.04**
**A887-89(2009)** Specification for Borated Stainless Steel Plate, Sheet, and Strip for Nuclear Application, **01.03**
**A888-13a** Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications, **01.02**
**A889/A889M-03(2008)** Test Method for Alternating-Current Magnetic Properties of Materials at Low Magnetic Flux Density Using the Voltmeter-Ammeter-Wattmeter-Varmeter Method and 25-cm Epstein Frame, **03.04**
**A890/A890M-12a** Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application, **01.02**
**A891/A891M-10** Specification for Precipitation Hardening Iron Base Superalloy Forgings for Turbine Rotor Disks and Wheels, **01.05**
**A892-09** Guide for Defining and Rating the Microstructure of High Carbon Bearing Steels, **01.05**
**A893/A893M-03(2008)** Test Method for Complex Dielectric Constant of Nonmetallic Magnetic Materials at Microwave Frequencies, **03.04**

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**A894/A894M-00(2011)$^{\epsilon 1}$** Test Method for Saturation Magnetization or Induction of Nonmetallic Magnetic Materials, **03.04**
**A895-89(2009)** Specification for Free-Machining Stainless Steel Plate, Sheet, and Strip, **01.03**
**A896/A896M-09** Practice for Conducting Case Studies on Galvanized Structures, **01.06**
*A897M Withdrawn 2001; Replaced by A897/A897M*
**A897/A897M-06(2011)** Specification for Austempered Ductile Iron Castings, **01.02**
**A898/A898M-07(2012)** Specification for Straight Beam Ultrasonic Examination of Rolled Steel Structural Shapes, **01.04**
**A899-91(2007)** Specification for Steel Wire, Epoxy-Coated, **01.03**
**A900/A900M-01(2012)** Test Method for Lamination Factor of Amorphous Magnetic Strip, **03.04**
**A901-12** Specification for Amorphous Magnetic Core Alloys, Semi-Processed Types, **03.04**
**A902-13b** Terminology Relating to Metallic Coated Steel Products, **01.06**
**A903/A903M-99(2012)** Specification for Steel Castings, Surface Acceptance Standards, Magnetic Particle and Liquid Penetrant Inspection, **01.02**
**A904-09** Specification for 50 Nickel-50 Iron Powder Metallurgy Soft Magnetic Parts, **03.04**
**A905-04(2010)** Specification for Steel Wire, Pressure Vessel Winding, **01.03**
**A906/A906M-02(2010)** Specification for Grade 80 and Grade 100 Alloy Steel Chain Slings for Overhead Lifting, **01.05**
*A907/A907M Withdrawn 2001; Specification for Steel, Sheet and Strip, Heavy Thickness Coils, Carbon, Hot-Rolled, Structural Quality; Replaced by A1018/A1018M*
**A908-03(2013)** Specification for Stainless Steel Needle Tubing, **01.01**
**A909/A909M-06(2011)** Specification for Steel Forgings, Microalloy, for General Industrial Use, **01.05**
**A910/A910M-12** Specification for Uncoated, Weldless, 2-Wire and 3-Wire Steel Strand for Prestressed Concrete, **01.04**
**A911/A911M-11** Specification for Uncoated, Stress-Relieved Steel Bars for Prestressed Concrete Railroad Ties, **01.04**
**A912/A912M-11** Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Toroidal Specimens, **03.04**
**A913/A913M-11** Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (QST), **01.04**
**A914/A914M-92(2011)** Specification for Steel Bars Subject to Restricted End-Quench Hardenability Requirements, **01.05**
**A915/A915M-08(2013)** Specification for Steel Castings, Carbon, and Alloy, Chemical Requirements Similar to Standard Wrought Grades, **01.02**
*A916 Withdrawn 1995; Specification for Steel Sheet, Zinc-5 % Aluminum-Mischmetal Alloy-Coated by Hot-Dip Process for Storm Sewer and Drainage Pipe; Replaced by A929/A929M*
**A917-08** Specification for Steel Sheet, Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface (General Requirements), **01.06**
**A918-06(2011)** Specification for Steel Sheet, Zinc-Nickel Alloy Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface, **01.06**
*A919 Withdrawn 1998; Terminology Relating to Heat Treatment of Metals; Replaced by A941*
**A920/A920M-07** Specification for Steel Bars, Microalloy, Hot-Wrought, Special Quality, Mechanical Properties, **01.05**
**A921/A921M-93(2011)** Specification for Steel Bars, Microalloy, Hot-Wrought, Special Quality, for Subsequent Hot Forging, **01.05**
**A922-05(2010)** Specification for Silicon Metal, **01.02**
**A923-08** Test Methods for Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels, **01.03**
**A924/A924M-13** Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process, **01.06**
**A925-03(2009)$^{\epsilon 1}$** Specification for Zinc-5 % Aluminum-Mischmetal Alloy-Coated Steel Overhead Ground Wire Strand, **01.06**
**A926-03(2008)** Test Method for Comparing the Abrasion Resistance of Coating Materials for Corrugated Metal Pipe, **01.06**
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**A928/A928M-13** Specification for Ferritic/Austenitic (Duplex) Stainless Steel Pipe Electric Fusion Welded with Addition of Filler Metal, **01.01**
**A929/A929M-01(2007)** Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe, **01.06**
**A930-09** Practice for Life-Cycle Cost Analysis of Corrugated Metal Pipe Used for Culverts, Storm Sewers, and Other Buried Conduits, **01.06**
**A931-08(2013)** Test Method for Tension Testing of Wire Ropes and Strand, **01.03**
**A932/A932M-01(2012)** Test Method for Alternating-Current Magnetic Properties of Amorphous Materials at Power Frequencies Using Wattmeter-Ammeter-Voltmeter Method with Sheet Specimens, **03.04**
**A933/A933M-10** Specification for Vinyl-Coated Steel Wire and Welded Wire Reinforcement, **01.04**
**A934/A934M-13** Specification for Epoxy-Coated Prefabricated Steel Reinforcing Bars, **01.04**
*A935/A935M Withdrawn 2001; Specification for Steel, Sheet and Strip, Heavy Thickness Coils, High Strength, Low-Alloy, Columbium or Vanadium, or Both, Hot-Rolled; Replaced by A1018/A1018M*
*A936/A936M Withdrawn 2001; Specification for Steel, Sheet And Strip, Heavy Thickness Coils, High Strength, Low-Alloy, Hot-Rolled, With Improved Formability; Replaced by A1018/A1018M*
**A937/A937M-12** Test Method for Determining Interlaminar Resistance of Insulating Coatings Using Two Adjacent Test Surfaces, **03.04**
**A938-07(2013)** Test Method for Torsion Testing of Wire, **01.03**
**A939/A939M-12** Practice for Ultrasonic Examination from Bored Surfaces of Cylindrical Forgings, **01.05**
**A940/A940M-06(2011)** Specification for Vacuum Treated Steel Forgings, Alloy, Differentially Heat Treated, for Turbine Rotors, **01.05**
**A941-13b** Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys, **01.01, 01.02, 01.03, 01.04, 01.05**
**A942/A942M-95(2012)$^{\epsilon 1}$** Specification for Centrifugally Cast White Iron/Gray Iron Dual Metal Abrasion-Resistant Roll Shells, **01.02**
**A943/A943M-01(2009)** Specification for Spray-Formed Seamless Austenitic Stainless Steel Pipes, **01.01**
**A944-10** Test Method for Comparing Bond Strength of Steel Reinforcing Bars to Concrete Using Beam-End Specimens, **01.04**
**A945/A945M-06(2011)** Specification for High-Strength Low-Alloy Structural Steel Plate with Low Carbon and Restricted Sulfur for Improved Weldability, Formability, and Toughness, **01.04**
*A946 Withdrawn 2012; Specification for Chromium, Chromium-Nickel and Silicon Alloy Steel Plate, Sheet, and Strip for Corrosion and Heat Resisting Service*
**A947M-13** Specification for Textured Stainless Steel Sheet Metric, **01.03**
*A949 Redesignated 1995 - A949/A949M*
**A949/A949M-01(2009)** Specification for Spray-Formed Seamless Ferritic/Austenitic Stainless Steel Pipe, **01.01**
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**A951/A951M-11** Specification for Steel Wire for Masonry Joint Reinforcement, **01.04**
**A952/A952M-02(2010)** Specification for Forged Grade 80 and Grade 100 Steel Lifting Components and Welded Attachment Links, **01.05**
*A953 Withdrawn 2005; Specification for Austenitic Chromium-Nickel-Silicon Alloy Steel Seamless and Welded Tubing*
*A954 Withdrawn 2005; Specification for Austenitic Chromium-Nickel-Silicon Alloy Steel Seamless and Welded Pipe*
**A955/A955M-12$^{\epsilon 1}$** Specification for Deformed and Plain Stainless-Steel Bars for Concrete Reinforcement, **01.04**
**A956-12** Test Method for Leeb Hardness Testing of Steel Products, **01.05**
**A957/A957M-13** Specification for Investment Castings, Steel and Alloy, Common Requirements, for General Industrial Use, **01.02**
**A958/A958M-10** Specification for Steel Castings, Carbon and Alloy, with Tensile Requirements, Chemical Requirements Similar to Standard Wrought Grades, **01.02**
**A959-11** Guide for Specifying Harmonized Standard Grade Compositions for Wrought Stainless Steels, **01.03**
**A960/A960M-13** Specification for Common Requirements for Wrought Steel Piping Fittings, **01.01**
**A961/A961M-13** Specification for Common Requirements for Steel Flanges, Forged Fittings, Valves, and Parts for Piping Applications, **01.01**
**A962/A962M-13b** Specification for Common Requirements for Bolting Intended for Use at Any Temperature from Cryogenic to the Creep Range, **01.01**
*A963/A963M Withdrawn 2000; Specification for Deep Drawing Steel (DDS), Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*
**A964/A964M-03(2011)** Specification for Corrugated Steel Box Culverts, **01.06**
**A965/A965M-13** Specification for Steel Forgings, Austenitic, for Pressure and High Temperature Parts, **01.05**
**A966/A966M-08(2012)** Practice for Magnetic Particle Examination of Steel Forgings Using Alternating Current, **01.05**
**A967/A967M-13** Specification for Chemical Passivation Treatments for Stainless Steel Parts, **01.03**
**A968/A968M-96(2009)** Specification for Chromium, Chromium-Nickel, and Silicon Alloy Steel Bars and Shapes for Corrosion and Heat-Resisting Service, **01.03**
*A969/A969M Withdrawn 2000; Specification for Extra Deep Drawing Steel (EDDS), Sheet, Carbon, Cold-Rolled; Replaced by A1008/A1008M*
**A970/A970M-13a** Specification for Headed Steel Bars for Concrete Reinforcement, **01.04**
**A971/A971M-10** Test Method for Measuring Edge Taper and Crown of Flat-Rolled Electrical Steel Coils, **03.04**
**A972/A972M-00(2010)** Specification for Fusion Bonded Epoxy-Coated Pipe Piles, **01.01**
**A973/A973M-07(2012)** Specification for Grade 100 Alloy Steel Chain, **01.05**
**A974-97(2011)** Specification for Welded Wire Fabric Gabions and Gabion Mattresses (Metallic-Coated or Polyvinyl Chloride (PVC) Coated), **01.06**
**A975-11** Specification for Double–Twisted Hexagonal Mesh Gabions and Revet Mattresses (Metallic–Coated Steel Wire or Metallic-Coated Steel Wire With Poly(Vinyl Chloride) (PVC) Coating), **01.06**
**A976-13** Classification of Insulating Coatings for Electrical Steels by Composition, Relative Insulating Ability and Application, **03.04**
**A977/A977M-07(2013)** Test Method for Magnetic Properties of High-Coercivity Permanent Magnet Materials Using Hysteresigraphs, **03.04**
**A978/A978M-08(2013)** Specification for Composite Ribbed Steel Pipe, Precoated and Polyethylene Lined for Gravity Flow Sanitary Sewers, Storm Sewers, and Other Special Applications, **01.06**
**A979/A979M-03(2009)** Specification for Concrete Pavements and Linings Installed in Corrugated Steel Structures in the Field, **01.06**

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**A980/A980M-11** Specification for Steel, Sheet, Carbon, Ultra High Strength Cold Rolled, **01.03**
**A981/A981M-11** Test Method for Evaluating Bond Strength for 0.600-in. 15.24-mm Diameter Steel Prestressing Strand, Grade 270 1860, Uncoated, Used in Prestressed Ground Anchors, **01.04**
**A982/A982M-10** Specification for Steel Forgings, Stainless, for Compressor and Turbine Airfoils, **01.05**
**A983/A983M-06(2011)** Specification for Continuous Grain Flow Forged Carbon and Alloy Steel Crankshafts for Medium Speed Diesel Engines, **01.05**
**A984/A984M-03(2009)** Specification for Steel Line Pipe, Black, Plain-End, Electric-Resistance-Welded, **01.01**
**A985/A985M-13** Specification for Steel Investment Castings General Requirements, for Pressure-Containing Parts, **01.02**
**A986/A986M-01(2011)** Specification for Magnetic Particle Examination of Continuous Grain Flow Crankshaft Forgings, **01.05**
**A987/A987M-09** Practice for Measuring Shape Characteristics of Tin Mill Products, **01.06**
**A988/A988M-13** Specification for Hot Isostatically-Pressed Stainless Steel Flanges, Fittings, Valves, and Parts for High Temperature Service, **01.01**
**A989/A989M-13** Specification for Hot Isostatically-Pressed Alloy Steel Flanges, Fittings, Valves, and Parts for High Temperature Service, **01.01**
**A990/A990M-11ε1** Specification for Castings, Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure Retaining Parts for Corrosive Service, **01.02**
**A991/A991M-10** Test Method for Conducting Temperature Uniformity Surveys of Furnaces Used to Heat Treat Steel Products, **01.03**
**A992/A992M-11** Specification for Structural Steel Shapes, **01.04**
*A993 Withdrawn 2004; Test Method for Dynamic Tear Testing of Cast Irons to Establish Transition Temperature*
**A994-13** Guide for Editorial Procedures and Form of Product Specifications for Steel, Stainless Steel, and Related Alloys, **01.01**
**A995/A995M-12a** Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts, **01.02**
**A996/A996M-09b** Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement, **01.04**
**A997-08(2012)** Practice for Investment Castings, Surface Acceptance Standards, Visual Examination, **01.02**
**A998/A998M-12** Practice for Structural Design of Reinforcements for Fittings in FactoryMade Corrugated Steel Pipe for Sewers and Other Applications, **01.06**
**A999/A999M-13** Specification for General Requirements for Alloy and Stainless Steel Pipe, **01.01**
**A1000/A1000M-11** Specification for Steel Wire, Carbon and Alloy Specialty Spring Quality, **01.03**
**A1001-01(2010)** Specification for High Strength Steel Castings in Heavy Sections, **01.02**
**A1002-10** Specification for Castings, Nickel-Aluminum Ordered Alloy, **01.02**
**A1003/A1003M-13b** Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members, **01.06**
**A1004/A1004M-99(2009)** Practice for Establishing Conformance to the Minimum Expected Corrosion Characteristics of Metallic, Painted-Metallic, and Nonmetallic-Coated Steel Sheet Intended for Use as Cold Formed Framing Members, **01.06**
**A1005/A1005M-00(2010)** Specification for Steel Line Pipe, Black, Plain End, Longitudinal and Helical Seam, Double Submerged-Arc Welded, **01.01**
**A1006/A1006M-00(2010)** Specification for Steel Line Pipe, Black, Plain End, Laser Beam Welded, **01.01**
**A1007-07** Specification for Carbon Steel Wire for Wire Rope, **01.03**
**A1008/A1008M-13** Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable, **01.03**
**A1009-05(2010)** Specification for Soft Magnetic MnZn Ferrite Core Materials for High Frequency (10 kHz-1 MHz) Power Transformer and Filter Inductor Applications, **03.04**
**A1010/A1010M-13** Specification for Higher-Strength Martensitic Stainless Steel Plate, Sheet, and Strip, **01.03**
**A1011/A1011M-13** Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength, **01.03**
**A1012-10** Specification for Seamless and Welded Ferritic, Austenitic and Duplex Alloy Steel Condenser and Heat Exchanger Tubes With Integral Fins, **01.01**
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**A1014/A1014M-10** Specification for Precipitation-Hardening Bolting (UNS N07718) for High Temperature Service, **01.01**
**A1015-01(2009)** Guide for Videoborescoping of Tubular Products for Sanitary Applications, **01.01**
**A1016/A1016M-13** Specification for General Requirements for Ferritic Alloy Steel, Austenitic Alloy Steel, and Stainless Steel Tubes, **01.01**
**A1017/A1017M-11** Specification for Pressure Vessel Plates, Alloy Steel, Chromium-Molybdenum-Tungsten, **01.04**
**A1018/A1018M-10** Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength, **01.03**
*A1019/A1019M Withdrawn 2012; Specification for Closed Rib Steel Pipe with Diameter of 36 in. [900 mm] or Less, Polymer Precoated for Sewers and Drains*
**A1020/A1020M-02(2012)** Specification for Steel Tubes, Carbon and Carbon Manganese, Fusion Welded, for Boiler, Superheater, Heat Exchanger and Condenser Applications, **01.01**
**A1021/A1021M-05(2010)** Specification for Martensitic Stainless Steel Forgings and Forging Stock for High-Temperature Service, **01.05**
**A1022/A1022M-13** Specification for Deformed and Plain Stainless Steel Wire and Welded Wire for Concrete Reinforcement, **01.04**
**A1023/A1023M-09ε1** Specification for Stranded Carbon Steel Wire Ropes for General Purposes, **01.03**
**A1024/A1024M-02(2012)** Specification for Steel Line Pipe, Black, Plain-End, Seamless, **01.01**
**A1025/A1025M-10** Specification for Ferroalloys and Other Alloying Materials, General Requirements, **01.02**
*A1026 Withdrawn 2007; Specification for Alloy Steel Structural Shapes for Use in Building Framing*
**A1028-03(2009)** Specification for Stainless Steel Bars for Compressor and Turbine Airfoils, **01.03**
**A1030/A1030M-11** Practice for Measuring Flatness Characteristics of Steel Sheet Products, **01.06**
**A1031/A1031M-12** Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Alloy, Drawing Steel and Structural Steel, Hot-Rolled, **01.03**
**A1032-04(2010)** Test Method for Hydrogen Embrittlement Resistance for Steel Wire Hard Drawn Used for Prestressing Concrete Pipe, **01.04**
**A1033-10** Practice for Quantitative Measurement and Reporting of Hypoeutectoid Carbon and Low-Alloy Steel Phase Transformations, **01.03**
**A1034/A1034M-10a** Test Methods for Testing Mechanical Splices for Steel Reinforcing Bars, **01.04**
**A1035/A1035M-13b** Specification for Deformed and Plain, Low-Carbon, Chromium, Steel Bars for Concrete Reinforcement, **01.04**
**A1036-04(2009)** Guide for Measuring Power Frequency Magnetic Properties of Flat-Rolled Electrical Steels Using Small Single Sheet Testers, **03.04**
**A1037/A1037M-05(2012)** Specification for Steel Line Pipe, Black, Furnace-Butt-Welded, **01.01**
**A1038-10a** Test Method for Portable Hardness Testing by the Ultrasonic Contact Impedance Method, **01.05**
**A1039/A1039M-13** Specification for Steel, Sheet, Hot Rolled, Carbon, Commercial, Structural, and High-Strength Low-Alloy, Produced by Twin-Roll Casting Process, **01.03**
**A1040-10** Guide for Specifying Harmonized Standard Grade Compositions for Wrought Carbon, Low-Alloy, and Alloy Steels, **01.05**
*A1041/A1041M Withdrawn 2013; Specification for Pressure Vessel Plates, Alloy Steel, Higher Strength Chromium-Molybdenum-Tungsten*
**A1042/A1042M-04(2009)** Specification for Composite Corrugated Steel Pipe for Sewers and Drains, **01.06**
**A1043/A1043M-05(2009)** Specification for Structural Steel with Low Yield to Tensile Ratio for Use in Buildings, **01.04**
**A1044/A1044M-05(2010)** Specification for Steel Stud Assemblies for Shear Reinforcement of Concrete, **01.04**
**A1045-10** Specification for Flexible Poly (Vinyl Chloride) (PVC) Gaskets used in Connection of Vitreous China Plumbing Fixtures to Sanitary Drainage Systems, **01.02**
**A1046/A1046M-10aε1** Specification for Steel Sheet, Zinc-Aluminum-Magnesium Alloy-Coated by the Hot-Dip Process, **01.06**
**A1047/A1047M-05(2009)** Test Method for Pneumatic Leak Testing of Tubing, **01.01**
**A1048/A1048M-06(2011)** Specification for Pressure Vessel Forgings, Alloy Steel, Higher Strength Chromium-Molybdenum-Tungsten for Elevated Temperature Service, **01.05**
**A1049/A1049M-10** Specification for Stainless Steel Forgings, Ferritic/Austenitic (Duplex), for Pressure Vessels and Related Components, **01.05**
**A1053/A1053M-12** Specification for Welded Ferritic-Martensitic Stainless Steel Pipe, **01.01**
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**A1055/A1055M-10ε1** Specification for Zinc and Epoxy Dual-Coated Steel Reinforcing Bars, **01.04**
**A1056-12** Specification for Cast Iron Couplings Used for Joining Hubless Cast Iron Soil Pipe and Fittings, **01.02**
**A1057/A1057M-08** Specification for Steel, Structural Tubing, Cold Formed, Welded, Carbon, Zinc-Coated (Galvanized) by the Hot-Dip Process, **01.06**
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**A1059/A1059M-08(2013)** Specification for Zinc Alloy Thermo-Diffusion Coatings (TDC) on Steel Fasteners, Hardware, and Other Products, **01.06**
**A1060/A1060M-11ε1** Specification for Zinc-Coated (Galvanized) Steel Welded Wire Reinforcement, Plain and Deformed, for Concrete, **01.04**
**A1061/A1061M-09** Test Methods for Testing Multi-Wire Steel Strand, **01.04**
**A1062-10** Specification for Steel Castings Sampling, **01.02**
**A1063/A1063M-11a** Specification for Steel Sheet, Twin-Roll Cast, Zinc-Coated (Galvanized) by the Hot-Dip Process, **01.06**
**A1064/A1064M-13** Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete, **01.04**
**A1065/A1065M-09** Specification for Cold-Formed Electric-Fusion (Arc) Welded High-Strength Low–Alloy Structural Tubing in Shapes, with 50 ksi 345 MPa Minimum Yield Point, **01.01**
**A1066/A1066M-11** Specification for High-Strength Low-Alloy Structural Steel Plate Produced by Thermo-Mechanical Controlled Process (TMCP), **01.04**
**A1067/A1067M-12a** Specification for Test Coupons for Steel Castings, **01.02**

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**A1068-10** Practice for Life-Cycle Cost Analysis of Corrosion Protection Systems on Iron and Steel Products, **01.06**
**A1069/A1069M-11** Specification for Laser-Fused Stainless Steel Bars, Plates, and Shapes, **01.03**
**A1071/A1071M-11** Test Method for Evaluating Hygrothermal Corrosion Resistance of Permanent Magnet Alloys, **03.04**
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**A1075-12** Specification for Flanged Steel U-Channel Posts, **01.05**
**A1076/A1076M-13** Specification for Cold Formed Carbon Structural Steel Tubing Made from Metallic Precoated Sheet Steel, **01.01**
**A1077/A1077M-12** Specification for Structural Steel with Improved Yield Strength at High Temperature for Use in Buildings, **01.04**
**A1078/A1078M-12** Specification for Epoxy-Coated Steel Dowels for Concrete Pavement, **01.04**
**A1079-13**$^{\epsilon 2}$ Specification for Steel Sheet, Complex Phase (CP), Dual Phase (DP) and Transformation Induced Plasticity (TRIP), Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, **01.06**
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**A1081/A1081M-12** Test Method for Evaluating Bond of Seven-Wire Steel Prestressing Strand, **01.04**
**A1082/A1082M-12** Specification for High Strength Precipitation Hardening and Duplex Stainless Steel Bolting for Special Purpose Applications, **01.01**
**A1083/A1083M-12** Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, Produced by Twin-Roll Casting Process, **01.03**
**A1084-13** Test Method for Detecting Detrimental Phases in Lean Duplex Austenitic/Ferritic Stainless Steels, **01.03**
**A1085-13** Specification for Cold-Formed Welded Carbon Steel Hollow Structural Sections (HSS), **01.01**
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**A1088-13** Specification for Steel, Sheet, Cold-Rolled, Complex Phase (CP), Dual Phase (DP) and Transformation Induced Plasticity (TRIP), **01.03**

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# B. NONFERROUS METALS

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**B2-13** Specification for Medium-Hard-Drawn Copper Wire, **02.03**
**B3-13** Specification for Soft or Annealed Copper Wire, **02.03**
*B4 Withdrawn 1981; Specification Tough-Pitch Lake Copper-Refinery Shapes*
**B5-11** Specification for High Conductivity Tough-Pitch Copper Refinery Shapes, **02.01**
**B6-13** Specification for Zinc, **02.04**
*B7 Withdrawn 1941; Specification for Copper-Base Alloys in Ingot Form for Sand Castings; Replaced by B30*
**B8-11** Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft, **02.03**
**B9-90(2012)** Specification for Bronze Trolley Wire, **02.03**
*B10 Withdrawn 1934; Specification for Tin-Bronze and Leaded Tin-Bronze Sand Castings*
*B11 Withdrawn 1981; Specification for Copper Plates for Locomotive Fireboxes*
*B12 Withdrawn 1982; Specification for Copper Rods for Locomotive Staybolts; Replaced by B133*
*B13 Withdrawn 1961; Specification for Seamless Copper Boiler Tubes*
*B14 Withdrawn 1955; Specification for Seamless Brass Boiler Tubes*
*B15 Withdrawn 1939; Specification for Copper and Copper-Base Alloy Forging Rod, Bar, and Shapes; Replaced by B124*
*B16M Withdrawn 1999; Replaced by B16/B16M*
**B16/B16M-10** Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines, **02.01**
*B17 Withdrawn 1927; Specification for Bronze Castings in the Rough for Locomotive Wearing Parts; Replaced by B66, B67*
*B18 Withdrawn 1942; Methods of Testing Chemical Analysis of Lead, Tin, and Base Solder Metal; Replaced by E46*
**B19-10** Specification for Cartridge Brass Sheet, Strip, Plate, Bar, and Disks, **02.01**
*B20 Withdrawn 1940; Specification for Cartridge Brass Sheet, Strip, Plate, Bar, and Disks; Combined with B 19*
*B21M Withdrawn 2001; Replaced by B21/B21M*
**B21/B21M-12** Specification for Naval Brass Rod, Bar, and Shapes, **02.01**
**B22/B22M-13ε1** Specification for Bronze Castings for Bridges and Turntables, **02.01**
**B23-00(2010)** Specification for White Metal Bearing Alloys, **02.04**
*B24 Withdrawn 1956; Specification for Aluminum Ingots for Remelting*
*B25 Withdrawn 1946; Specification for Aluminum Alloy Sheet and Plate; Replaced by B209*
**B26/B26M-12** Specification for Aluminum-Alloy Sand Castings, **02.02**
*B27 Withdrawn 1943; Methods of Testing Chemical Analysis for Sulfur in Special Brasses and Bronzes; Replaced by E54*
*B28 Withdrawn 1943; Methods of Testing Chemical Analysis of Special Brasses and Bronzes; Replaced by E54*
**B29-03(2009)** Specification for Refined Lead, **02.04**
**B30-12** Specification for Copper Alloys in Ingot Form, **02.01**
*B31 Withdrawn 1932; Specification for Copper-Base Alloys in Ingot Form for Sand Casting; Replaced by B30*
**B32-08** Specification for Solder Metal, **02.04**
**B33-10** Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes, **02.03**
*B34 Redesignated 1945 - E53; Method of Battery Assay of Copper*
*B35 Withdrawn 1942; Methods of Testing Chemical Analysis of Pig Lead; Replaced by E37*
**B36/B36M-13** Specification for Brass Plate, Sheet, Strip, And Rolled Bar, **02.01**
**B37-08(2013)** Specification for Aluminum for Use in Iron and Steel Manufacture, **02.02**
*B38 Withdrawn 1942; Methods of Testing Chemical Analysis of Slab Zinc (Spelter); Replaced by E40*
**B39-79(2013)** Specification for Nickel, **02.04**
*B40 Withdrawn 1942; Photometric Methods for Chemical Analysis of Aluminum and Aluminum Base Alloys; Replaced by E34*
*B41 Withdrawn 1942; Method for Testing Chemical Analysis of Nickel; Replaced by E39*
**B42-10** Specification for Seamless Copper Pipe, Standard Sizes, **02.01**
**B43-09** Specification for Seamless Red Brass Pipe, Standard Sizes, **02.01**
*B44 Withdrawn 1937; Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock; Replaced by B111*
*B45 Withdrawn 1942; Methods for Testing Chemical Analysis of Brasses*
*B46 Withdrawn 1943; Methods of Testing Chemical Analysis for Sulfur in Special Brasses and Bronzes; Replaced by E54*
**B47-95a(2012)** Specification for Copper Trolley Wire, **02.03**
**B48-00(2011)** Specification for Soft Rectangular and Square Bare Copper Wire for Electrical Conductors, **02.03**
**B49-10** Specification for Copper Rod Drawing Stock for Electrical Purposes, **02.01**
*B50 Withdrawn 1937; Specification for Non-Ferrous Insect Screen Cloth*
*B51 Withdrawn 1945; Specification for Phospher Tin*
*B52 Withdrawn 1980; Specification for Phosphor Copper; Replaced by B644*
*B53 Withdrawn 1980; Specification for Silicon Copper; Replaced by B644*
*B54 Withdrawn 1941; Specification for High-Strength Yellow Brass (Manganese Bronze) and Leaded High-Strength Yellow Brass (Leaded Manganese Bronze) Sand Castings*
*B55 Withdrawn 1937; Specification for Seamless 70-30 Brass Condenser Tubes and Ferrule Stock*
*B56 Withdrawn 1937; Specification for Seamless Muntz Metal Condenser Tubes and Ferrule Stock; Replaced by B111*
*B57 Withdrawn 1942; Specification for Copper-Alloy Condenser Tube Plates; Replaced by B171*
*B58 Withdrawn 1946; Specification for Aluminum-Base Alloys in Ingot Form for Sand Castings; Replaced by B179*
*B59 Withdrawn 1941; Specification for Aluminum-Bronze Sand Castings; Replaced by B148*
*B60 Withdrawn 1944; Specification for Tin-Bronze and Leaded Tin-bronze Sand Castings; Replaced by B143*
**B61-08(2013)** Specification for Steam or Valve Bronze Castings, **02.01**
**B62-09** Specification for Composition Bronze or Ounce Metal Castings, **02.01**
**B63-07(2013)** Test Method for Resistivity of Metallically Conducting Resistance and, **02.04**
*B64 Withdrawn 1952; Specification for Brazing Solder*
*B65 Withdrawn 1938; Specification for Lead Yellow Brass Sand Castings for General Purposes*
**B66-06(2013)ε1** Specification for Bronze Castings for Steam Locomotive Wearing Parts, **02.01**
**B67-05(2011)** Specification for Car and Tender Journal Bearings, Lined, **02.01**
*B68M Withdrawn 2011; Specification for Seamless Copper Tube, Bright Annealed [Metric]*
**B68/B68M-11** Specification for Seamless Copper Tube, Bright Annealed, **02.01**
**B69-13** Specification for Rolled Zinc, **02.04**
**B70-90(2013)** Test Method for Change of Resistance With Temperature of Metallic Materials for Electrical Heating, **02.04**
*B71 Withdrawn 1942; Methods of Testing Chemical Analysis of Nickel-Chromium and Nickel-Chromium-Iron Alloys*
*B72 Withdrawn 1977; Specification for Fire-Refined Casting Copper*
*B73 Withdrawn 1953; Specification for Silver Solders*
*B74 Withdrawn 1941; Specification for High-Leaded Tin-Bronze Sand Castings*
**B75/B75M-11** Specification for Seamless Copper Tube, **02.01**
**B76-90(2013)** Test Method for Accelerated Life of Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating, **02.04**
**B77-07(2013)** Test Method for Thermoelectric Power of Electrical-Resistance Alloys, **02.04**
**B78-90(2013)** Test Method of Accelerated Life of Iron-Chromium-Aluminum Alloys for Electrical Heating, **02.04**
*B79 Withdrawn 1946; Specification for Aluminum and Aluminum Alloy Sheet and Plate; Replaced by B209*
**B80-09** Specification for Magnesium-Alloy Sand Castings, **02.02**
*B81 Withdrawn 1944; Methods of Chemical Analysis of Silver Solders; Replaced by E56*
*B82 Withdrawn 1959; Specification for Drawn or Rolled Alloy 80 Percent Nickel, 20 Percent Chromium, for Electrical-Heating Elements; Replaced by B344*
*B83 Withdrawn 1959; Specification for Drawn or Rolled Alloy, 60 Percent Nickel, 16 Percent Chromium, and Balance Iron, for Electrical-Heating Elements; Replaced by B344*
**B84-07(2013)** Test Method for Temperature-Resistance Constants of Alloy Wires for Precision Resistors, **02.04**
**B85/B85M-13** Specification for Aluminum-Alloy Die Castings, **02.02**
**B86-13** Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings, **02.04**
*B87 Withdrawn 1938; Specification for Hard-Drawn Copper Transmission Cable; Replaced by B8*
**B88-09** Specification for Seamless Copper Water Tube, **02.01**
**B88M-13** Specification for Seamless Copper Water Tube (Metric), **02.01**
*B89 Withdrawn 1946; Specification for Aluminum and Aluminum- Alloy Bars, Rods, and Wire; Replaced by B211*
*B90M Withdrawn 1993; Replaced by B90/B90M*
**B90/B90M-13** Specification for Magnesium-Alloy Sheet and Plate, **02.02**
**B91-12** Specification for Magnesium-Alloy Forgings, **02.02**
*B92M Withdrawn 1990; Replaced by B92/B92M*
**B92/B92M-11** Specification for Unalloyed Magnesium Ingot and Stick For Remelting, **02.02**
*B93M Withdrawn 1990; Replaced by B93/B93M*
**B93/B93M-09** Specification for Magnesium Alloys in Ingot Form for Sand Castings, Permanent Mold Castings, and Die Castings, **02.02**
**B94-13** Specification for Magnesium-Alloy Die Castings, **02.02**
*B95 Withdrawn 1985; Method of Testing Linear Expansion of Metals; Replaced by E228*4
*B96M Withdrawn 1999; Replaced by B96/B96M*
**B96/B96M-11** Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels, **02.01**
*B97 Withdrawn 1982; Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes; Combined with B 96*
*B98M Withdrawn 1998; Replaced by B98/B98M*
**B98/B98M-13** Specification for Copper-Silicon Alloy Rod, Bar and Shapes, **02.01**
*B99M Withdrawn 1996; Replaced by B99/B99M*
**B99/B99M-11** Specification for Copper-Silicon Alloy Wire for General Applications, **02.01**
**B100-13** Specification for Wrought Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Use, **02.01**
**B101-12** Specification for Lead-Coated Copper Sheet and Strip for Building Construction, **02.01**

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*B102 Withdrawn 2011; Specification for Lead- and Tin-Alloy Die Castings*
**B103/B103M-10** Specification for Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar, **02.01**
*B104 Withdrawn 1937; Specification for Seamless Copper-Nickel Alloy Condenser Tubes and Ferrule Stock; Replaced by B111*
**B105-05(2012)** Specification for Hard-Drawn Copper Alloy Wires for Electric Conductors, **02.03**
**B106-08(2013)** Test Methods for Flexivity of Thermostat Metals, **02.04**
*B107M Withdrawn 1992; Replaced by B107/B107M*
**B107/B107M-13** Specification for Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes, and Wire, **02.02**
**B108/B108M-12ε1** Specification for Aluminum-Alloy Permanent Mold Castings, **02.02**
*B109 Withdrawn 1946; Specification for Aluminum and Aluminum Alloy Sheet and Plate; Replaced by B209*
*B110 Withdrawn 1982; Method of Testing Dielectric Strength of Anodically Coated Aluminum*
*B111M Withdrawn 2004; Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock [Metric]*
**B111/B111M-11** Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock, **02.01**
*B112 Withdrawn 1946; Specification for Aluminum-Base Alloys in Ingot Form for Sand Die Castings; Replaced by B179*
*B113 Redesignated 1954 - F113; Method for Bend Testing of Wire (Wire for Radio Tubes and Incandescent Lamps)*
**B114-07(2013)** Test Method for Temperature-Resistance Constants of Sheet Materials for Shunts and Precision Resistors, **02.04**
**B115-10** Specification for Electrolytic Copper Cathode, **02.01**
**B116-95(2012)** Specification for Figure-9 Deep-Grooved and Figure-8 Copper Trolly Wire for Industrial Haulage, **02.03**
**B117-11** Practice for Operating Salt Spray (Fog) Apparatus, **03.02**
*B118 Withdrawn 1948; Specification for Nickel and Nickel-Alloy Wire and Ribbon for Electronic Tube Filaments*
*B119 Withdrawn 1976; Classification of Cast Copper-Base Alloys; Replaced by B30, B584*
*B120 Withdrawn 1940; Specification for Copper-Base Alloys in Ingot Form for Sand Casting; Replaced by B30*
**B121/B121M-11** Specification for Leaded Brass Plate, Sheet, Strip, and Rolled Bar, **02.01**
**B122/B122M-11** Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
*B123 Withdrawn 1939; Specification for Copper-Bse Alloys in Ingot Form for Sand Castings; Replaced by B30*
*B124M Withdrawn 2000; Replaced by B124/B124M*
**B124/B124M-13** Specification for Copper and Copper Alloy Forging Rod, Bar, and Shapes, **02.01**
*B125 Withdrawn 1946; Specification for Aluminum-Base Alloys in Ingot Form for Sand Castings, Die Castings, and Permanent Mold Castings; Replaced by B179*
*B126 Withdrawn 1947; Specification for Aluminum-Manganese Alloy Sheet and Plate for Use in Welded Pressure Vessels; Replaced by B209*
**B127-05(2009)** Specification for Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip, **02.04**
*B128 Withdrawn 1955; Methods of Testing Sleeves and Tubing for Radio Tube Cathodes*
**B129-12** Specification for Cartridge Brass Cartridge Case Cups, **02.01**
**B130-13** Specification for Commercial Bronze Strip for Bullet Jackets, **02.01**
**B131-12** Specification for Copper Alloy Bullet Jacket Cups, **02.01**
*B132 Withdrawn 1973; Specification for Leaded High-Strength Yellow Brass (Maganese Bronze) Sand Castings; Replaced by B584*
*B133 Withdrawn 1994; Specification for Copper Rod, Bar, And Shapes; Replaced by B187*
*B133M Withdrawn 1994; Specification for Copper Rod, Bar, And Shapes [Metric]; Replaced by B187M*
**B134/B134M-08** Specification for Brass Wire, **02.01**
**B135-10** Specification for Seamless Brass Tube, **02.01**
**B135M-10** Specification for Seamless Brass Tube Metric, **02.01**
**B136-84(2013)** Method for Measurement of Stain Resistance of Anodic Coatings on Aluminum, **02.05**
**B137-95(2009)** Test Method for Measurement of Coating Mass Per Unit Area on Anodically Coated Aluminum, **02.05**
*B138M Withdrawn 2001; Replaced by B138/B138M*
**B138/B138M-11** Specification for Manganese Bronze Rod, Bar, and Shapes, **02.01**
*B139M Withdrawn 2001; Replaced by B139/B139M*
**B139/B139M-12** Specification for Phosphor Bronze Rod, Bar, and Shapes, **02.01**
*B140M Withdrawn 1997; Replaced by B140/B140M*
**B140/B140M-12** Specification for Copper-Zinc-Lead (Red Brass or Hardware Bronze) Rod, Bar, and Shapes, **02.01**
*B141 Withdrawn 1967; Specification for Electrodeposited Coatings of Nickel and Chromium on Copper and Copper-Base Alloys; Replaced by B456*
*B142 Withdrawn 1967; Specification for Electrodeposited Coatings of Nickel and Chromium on Zinc and Zinc-Base Alloys; Replaced by B456*
*B143 Withdrawn 1973; Specification for Tin-Bronze and Leaded Tin-Bronze Sand Castings; Replaced by B584*
*B144 Withdrawn 1973; Specification for High-Leaded Tin-Bronze Sand Castings; Replaced by B584*
*B145 Withdrawn 1973; Specification for Leaded Red Brass and Leaded Semi-Red Brass Sand Castings; Replaced by B584*
*B146 Withdrawn 1973; Specification for Leaded Yellow Brass Sand Castings for General Purposes; Replaced by B584*
*B147 Withdrawn 1973; Specification for High-Strength Yellow Brass (Manganese Bronze) and Leaded High-Strength Yellow Brass (Leaded Manganese Bronze) Sand Castings; Replaced by B584*
**B148-97(2009)** Specification for Aluminum-Bronze Sand Castings, **02.01**
*B149 Withdrawn 1973; Specification for Leaded Nickel-Brass (Leaded Nickel-Silver) and Leaded Nickel-Bronze (Leaded Nickel-silver); Replaced by B584*
*B150M Withdrawn 2002; Replaced by B150/B150M*
**B150/B150M-12** Specification for Aluminum Bronze Rod, Bar, and Shapes, **02.01**
*B151M Withdrawn 2000; Replaced by B151/B151M*
**B151/B151M-13** Specification for Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar, **02.01**
*B152M Withdrawn 2000; Replaced by B152/B152M*
**B152/B152M-13** Specification for Copper Sheet, Strip, Plate, and Rolled Bar, **02.01**
**B153-11** Test Method for Expansion (Pin Test) of Copper and Copper-Alloy Pipe and Tubing, **02.01**
**B154-12** Test Method for Mercurous Nitrate Test for Copper Alloys, **02.01**
*B155 Redesignated 1954 - F155; Method of Test for Temper of Strip and Sheet Metals for Electronic Devices (Spring-Back Method)*
*B156 Withdrawn 1948; Method of Testing Local Thickness of Electrodeposited Coatings; Replaced by F219*
*B157 Withdrawn 1955; Methods of Testing Wire for Supports Used in Electronic Devices and Lamps*
*B158 Withdrawn 1942; Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members for Electrical Conductors; Replaced by B172, B173, B174*
*B159M Withdrawn 2001; Replaced by B159/B159M*
**B159/B159M-11** Specification for Phosphor Bronze Wire, **02.01**
**B160-05(2009)ε1** Specification for Nickel Rod and Bar, **02.04**
**B161-05(2009)** Specification for Nickel Seamless Pipe and Tube, **02.04**
**B162-99(2009)** Specification for Nickel Plate, Sheet, and Strip, **02.04**
**B163-11ε1** Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes, **02.04**
**B164-03(2008)** Specification for Nickel-Copper Alloy Rod, Bar, and Wire, **02.04**
**B165-05(2009)** Specification for Nickel-Copper Alloy (UNS N04400) Seamless Pipe and Tube, **02.04**
**B166-11** Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Rod, Bar, and Wire, **02.04**
**B167-11** Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube, **02.04**
**B168-11** Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696), Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Plate, Sheet, and Strip, **02.04**
*B169M Withdrawn 2001; Replaced by B169/B169M*
**B169/B169M-10** Specification for Aluminum Bronze Sheet, Strip, and Rolled Bar, **02.01**
**B170-99(2010)ε1** Specification for Oxygen-Free Electrolytic Copper—Refinery Shapes, **02.01**
*B171M Withdrawn 1999; Replaced by B171/B171M*
**B171/B171M-12** Specification for Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers, and Heat Exchangers, **02.01**
**B172-10** Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors, **02.03**
**B173-10** Specification for Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors, **02.03**
**B174-10** Specification for Bunch-Stranded Copper Conductors for Electrical Conductors, **02.03**
*B175 Withdrawn 1955; Specification for Round Nickel Wire for Lamps and Electric Devices*
**B176-08(2013)** Specification for Copper-Alloy Die Castings, **02.01**
**B177/B177M-11** Guide for Engineering Chromium Electroplating, **02.05**
*B178 Withdrawn 1957; Specification for Aluminum-Alloy Sheet and Plate for Pressure Vessel Application; Replaced by B209*
**B179-11ε1** Specification for Aluminum Alloys in Ingot and Molten Forms for Castings from All Casting Processes, **02.02**
*B180 Redesignated 1954 - F180; Method of Test for Density of Fine Wire and Ribbon for Electronic Devices*
*B181 Withdrawn 1970; Method of Testing Effect of Controlled Atmospheres Upon Alloys in Electric Furnaces*
*B182 Withdrawn 1982; Method for Life Test of Electrical Contact Materials*
**B183-79(2009)** Practice for Preparation of Low-Carbon Steel for Electroplating, **02.05**
*B184 Withdrawn 1969; Specification for Aluminum and Aluminum-Alloy Metal Arc-Welding Electrodes*
*B185 Withdrawn 1964; Method of Total Immersion Corrosion Test of Non-Ferrous Metals*
*B186 Withdrawn 1946; Specification for Special Quality Zinc-Base Alloy Die Castings*
*B187M Withdrawn 2002; Replaced by B187/B187M*

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**B187/B187M-11** Specification for Copper, Bus Bar, Rod, and Shapes and General Purpose Rod, Bar, and Shapes, **02.01**
**B188-10** Specification for Seamless Copper Bus Pipe and Tube, **02.01**
**B189-05(2010)** Specification for Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes, **02.03**
*B190 Withdrawn 1961; Specification for Chromium-Nickel-Iron Alloy Castings (25-12 Class) for High-Temperature Service; Replaced by A447*
*B191 Withdrawn 1956; Method of Testing Equivalent Yield Stress of Thermostat Metals; Replaced by B305*
*B192 Withdrawn 1964; Method of Alternate Immersion Corrosion Testing of Non-Ferrous Metals*
**B193-02(2008)** Test Method for Resistivity of Electrical Conductor Materials, **02.03**
**B194-08** Specification for Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
*B195 Withdrawn 1952; Specification for Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar; Combined with B 194*
*B196M Withdrawn 2001; Replaced by B196/B196M*
**B196/B196M-07(2013)** Specification for Copper-Beryllium Alloy Rod and Bar, **02.01**
*B197M Withdrawn 1998; Replaced by B197/B197M*
**B197/B197M-07(2013)** Specification for Copper-Beryllium Alloy Wire, **02.01**
*B198 Withdrawn 1973; Specification for Silicon Bronze and Silicon Brass Sand Castings; Replaced by B584*
**B199-12** Specification for Magnesium-Alloy Permanent Mold Castings, **02.02**
**B200-85(2009)** Specification for Electrodeposited Coatings of Lead and Lead-Tin Alloys on Steel and Ferrous Alloys, **02.05**
**B201-80(2009)$^{\epsilon 1}$** Practice for Testing Chromate Coatings on Zinc and Cadmium Surfaces, **02.05**
*B202 Withdrawn 1973; Specification for Metal Powder Sintered Bearings (Oil Impregnated); Replaced by B438, B439*
*B203 Withdrawn 1955; Method of Testing Strength of Welded Joints of Lead Wires for Electronic Devices and Lamps*
*B204 Redesignated 1954 - F204; Method of Test for Surface Flaws in Tungsten Seal Rod and Wire*
*B205 Redesignated 1954 - F205; Method of Test for Diameter by Weighing of Fine Wire Used in Electronic Devices and Lamps*
*B206M Withdrawn 1997; Replaced by B206/B206M*
**B206/B206M-12** Specification for Copper-Nickel-Zinc (Nickel Silver) Wire and Copper-Nickel Alloy Wire, **02.01**
*B207 Redesignated A448*
**B208-06** Practice for Preparing Tension Test Specimens for Copper Alloy Sand, Permanent Mold, Centrifugal, and Continuous Castings, **02.01**
**B209-10** Specification for Aluminum and Aluminum-Alloy Sheet and Plate, **02.02**
**B209M-10** Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric), **02.02**
**B210-12** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes, **02.02**
**B210M-12** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric), **02.02**
**B211-12$^{\epsilon 1}$** Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire, **02.02**
**B211M-12$^{\epsilon 1}$** Specification for Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric), **02.02**
**B212-13** Test Method for Apparent Density of Free-Flowing Metal Powders Using the Hall Flowmeter Funnel, **02.05**
**B213-13** Test Methods for Flow Rate of Metal Powders Using the Hall Flowmeter Funnel, **02.05**
**B214-07(2011)** Test Method for Sieve Analysis of Metal Powders, **02.05**
**B215-10** Practices for Sampling Metal Powders, **02.05**
**B216-10** Specification for Tough-Pitch Fire-Refined Copper—Refinery Shapes, **02.01**
*B217 Withdrawn 1965; Specification for Magnesium-Base Alloy Extruded Tubes; Combined with B 107*
*B218 Redesignated 1954 - F218; Method for Measuring Residual Stress In Cylindrical Metal-to-Glass Seals*
*B219 Redesignated 1954 - F219; Methods of Testing Fine Round and Flat Wire for Electronic Devices*
*B220 Withdrawn 1955; Methods of Tension Testing Metallic Materials*
**B221-13** Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes, **02.02**
**B221M-13** Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric), **02.02**
*B222 Withdrawn 1989; Specification for Sintered Iron-Copper Structural Parts; Replaced by B783*
**B223-08(2013)** Test Method for Modulus of Elasticity of Thermostat Metals (Cantilever Beam Method), **02.04**
**B224-10** Classification of Coppers, **02.01**
*B225 Withdrawn 1969; Specification for Copper and Copper-Alloy Arc-Welding Electrodes*
**B226-11** Specification for Cored, Annular, Concentric-Lay-Stranded Copper Conductors, **02.03**
**B227-10** Specification for Hard-Drawn Copper-Clad Steel Wire, **02.03**
**B228-11a** Specification for Concentric-Lay-Stranded Copper-Clad Steel Conductors, **02.03**
**B229-12** Specification for Concentric-Lay-Stranded Copper and Copper-Clad Steel Composite Conductors, **02.03**
*B230M Withdrawn 1999; Replaced by B230/B230M*
**B230/B230M-07(2012)** Specification for Aluminum 1350–H19 Wire for Electrical Purposes, **02.03**
*B231M Withdrawn 1999; Replaced by B231/B231M*
**B231/B231M-12** Specification for Concentric-Lay-Stranded Aluminum 1350 Conductors, **02.03**
*B232M Withdrawn 1999; Replaced by B232/B232M*
**B232/B232M-11** Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR), **02.03**
**B233-97(2012)** Specification for Aluminum 1350 Drawing Stock for Electrical Purposes, **02.03**
**B234-10** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers, **02.02**
**B234M-10** Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric), **02.02**
*B235 Withdrawn 1963; Specification for Aluminum Alloy Extruded Tubes; Combined with B 221*
**B236-07** Specification for Aluminum Bars for Electrical Purposes (Bus Bars), **02.02**
**B236M-07** Specification for Aluminum Bars for Electrical Purposes (Bus Bars) (Metric), **02.02**
**B237-01(2010)** Specification for Refined Antimony, **02.04**
*B238 Redesignated 1954 - F238; Recommended Practice for Cathode Melt Prove-in Testing*
*B239 Redesignated 1954 - F239; Specification for Circular Cross-Section Nickel Cathode Sleeves for Electronic Devices*
**B240-13** Specification for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings, **02.04**
*B241M Withdrawn 1987; Replaced by B241/B241M*
**B241/B241M-12$^{\epsilon 1}$** Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube, **02.02**
**B242-99(2009)** Guide for Preparation of High-Carbon Steel for Electroplating, **02.05**
**B243-13** Terminology of Powder Metallurgy, **02.05**
**B244-09** Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and of Other Nonconductive Coatings on Nonmagnetic Basis Metals with Eddy-Current Instruments, **02.05**
*B245 Withdrawn 1969; Specification for Standard Weight Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR); Replaced by B498*
**B246-05(2010)** Specification for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposes, **02.03**
**B247-09** Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings, **02.02**
**B247M-09** Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric), **02.02**
**B248-12** Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
**B248M-12** Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar (Metric), **02.01**
*B249M Withdrawn 2000; Replaced by B249/B249M*
**B249/B249M-12** Specification for General Requirements for Wrought Copper and Copper-Alloy Rod, Bar, Shapes and Forgings, **02.01**
*B250M Withdrawn 2001; Replaced by B250/B250M*
**B250/B250M-13** Specification for General Requirements for Wrought Copper Alloy Wire, **02.01**
**B251-10** Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube, **02.01**
**B251M-10** Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube (Metric), **02.01**
**B252-92(2009)** Guide for Preparation of Zinc Alloy Die Castings for Electroplating and Conversion Coatings, **02.05**
**B253-11** Guide for Preparation of Aluminum Alloys for Electroplating, **02.05**
**B254-92(2009)** Practice for Preparation of and Electroplating on Stainless Steel, **02.05**
*B255 Withdrawn 2000; Specification for Sintered Bronze Structural Parts*
*B256 Redesignated 1954 - F256; Specification for 17 % Chromium-Iron Alloy for Sealing to Glass*
*B257 Redesignated 1954 - F257; Specification for 28 % Chromium-Iron Alloy for Sealing to Glass*
**B258-02(2008)** Specification for Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors, **02.03**
*B259 Withdrawn 1969; Specification for Copper and Copper-Alloy Welding Rods*
*B260 Withdrawn 1969; Specification for Brazing Filler Metal*
*B261 Withdrawn 1969; Specification for Zinc-Coated (Galvanized) Steel Core Wire (with Coatings Heavier than Standard Weight) for Aluminum Conductors, Steel Reinforced (ACSR); Replaced by B498*
*B262 Withdrawn 1978; Specification for Aluminum Wire, EC-H16 or -H26, for Electrical Purposes; Replaced by B609*
**B263/B263M-04(2010)$^{\epsilon 1}$** Test Method for Determination of Cross-Sectional Area of Stranded Conductors, **02.03**
*B264 Withdrawn 1955; Specification for Titanium Ingot*
**B265-13a$^{\epsilon 1}$** Specification for Titanium and Titanium Alloy Strip, Sheet, and Plate, **02.04**
*B266 Withdrawn 1955; Specification for Iodide Titanium*
**B267-07(2013)** Specification for Wire for Use In Wire-Wound Resistors, **02.04**
*B268 Redesignated 1954 - F268; Specification for Round Chromium-Copper Wire for Electronic Devices*
*B269 Redesignated 1954 - F269; Method of Test for Sag of Tungsten Wire*

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*B270 Redesignated 1954 - F270; Method of Test for Relative Thermionic Emissive Properties of Materials Used in Electron Tubes*
**B271/B271M-11ε1** Specification for Copper-Base Alloy Centrifugal Castings, **02.01**
**B272-12** Specification for Copper Flat Products with Finished (Rolled or Drawn) Edges (Flat Wire and Strip), **02.01**
*B273 Withdrawn 1957; Specification for Aluminum and Aluminum-Alloy Bars, Rods, and Shapes for Pressure Vessel Applications; Replaced by B211, B221, B308/B308M*
*B274 Withdrawn 1957; Specification for Aluminum and Aluminum-Alloy Pipe and Tube for Pressure Vessel Applications; Replaced by B210*
**B275-13ε1** Practice for Codification of Certain Nonferrous Metals and Alloys, Cast and Wrought, **02.04**
**B276-05(2010)** Test Method for Apparent Porosity in Cemented Carbides, **02.05**
**B277-95(2012)** Test Method for Hardness of Electrical Contact Materials, **02.04**
*B278 Redesignated 1954 - F278; Method of Test for Sublimation Characteristics of Metallic Materials by Electrical Resistance*
**B279-13** Test Method for Stiffness of Bare Soft Square and Rectangular Copper and Aluminum Wire for Magnet Wire Fabrication, **02.03**
**B280-13** Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service, **02.01**
**B281-88(2013)** Practice for Preparation of Copper and Copper-Base Alloys for Electroplating and Conversion Coatings, **02.05**
*B282 Withdrawn 2000; Specification for Sintered Brass Structural Parts*
**B283/B283M-12** Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed), **02.01**
*B284 Withdrawn 1991; Specification for Rosin Flux-Core Solder*
*B285 Withdrawn 1969; Specification for Aluminum and Aluminum-Alloy Welding Rods and Bare Electrodes*
**B286-07(2012)** Specification for Copper Conductors for Use in Hookup Wire for Electronic Equipment, **02.03**
*B287 Withdrawn 1988; Method of Acetic Acid-Salt Spray (Fog) Testing*
*B288 Redesignated 1954 - F288; Specification for Tungsten Wire under 20 mils in Diameter*
*B289 Redesignated 1954 - F289; Specification for Molybdenum Wire under 20 mils in Diameter*
*B290 Redesignated 1954 - F290; Specification for Round Wire for Use as Electron Tube Grid Laterals and Verticals*
*B291 Withdrawn 1992; Specification for Copper-Zinc-Manganese Alloy (Manganese Brass) Sheet and Strip*
*B292 Withdrawn 1973; Specification for Nickel-Tin Bronze Castings; Replaced by B584*
*B293 Withdrawn 1985; Method of Subsieve Analysis of Granular Metal Powders by Air Classification*
**B294-10** Test Method for Hardness Testing of Cemented Carbides, **02.05**
*B295 Withdrawn 1969; Specification for Nickel and Nickel-Alloy Covered Welding Electrodes*
**B296-03(2014)** Practice for Temper Designations of Magnesium Alloys, Cast and Wrought, **02.02**
*B297 Withdrawn 1969; Specification for Tungsten Arc-Welding Electrodes*
**B298-12** Specification for Silver-Coated Soft or Annealed Copper Wire, **02.03**
**B299-13** Specification for Titanium Sponge, **02.04**
*B300 Redesignated 1054 - F300; Test Method for Interface Impedance Characteristics of Tube Cathodes*
*B301M Withdrawn 1999; Replaced by B301/B301M*
**B301/B301M-13** Specification for Free-Cutting Copper Rod, Bar, Wire, and Shapes, **02.01**
**B302-12** Specification for Threadless Copper Pipe, Standard Sizes, **02.01**
*B303 Withdrawn 1990; Specification for Copper-Infiltrated Sintered Carbon Steel Structural Parts; Replaced by B783*
*B304 Withdrawn 1969; Specification for Nickel and Nickel-Alloy Bare Welding Rods and Electrodes*
*B305 Withdrawn 1986; Test Method for Maximum Loading Stress at Temperature of Thermostat Metals (Cantilever Beam Method)*
**B306-13** Specification for Copper Drainage Tube (DWV), **02.01**
*B307 Withdrawn 1968; Specification for Aluminum-Alloy Drawn Seamless Coiled Tubes for Special Purpose Applications; Replaced by B210*
*B308M Withdrawn 1991; Replaced by B308/B308M*
**B308/B308M-10** Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles, **02.02**
*B309 Withdrawn 1964; Specification for High Density Iron, Sintered Metal Powder Structural Parts; Combined with B 310*
*B310 Withdrawn 1990; Specification for Sintered Carbon Steel Structural Parts; Replaced by B783*
**B311-13** Test Method for Density of Powder Metallurgy (PM) Materials Containing Less Than Two Percent Porosity, **02.05**
**B312-09** Test Method for Green Strength of Specimens Compacted from Metal Powders, **02.05**
*B313M Withdrawn 1991; Replaced by B313/B313M*
**B313/B313M-09** Specification for Aluminum and Aluminum-Alloy Round Welded Tubes, **02.02**
*B314 Withdrawn 1994; Specification for Aluminum 1350 Wire for Communication Cable*
**B315-12** Specification for Seamless Copper Alloy Pipe and Tube, **02.01**
*B316M Withdrawn 1993; Replaced by B316/B316M*
**B316/B316M-10** Specification for Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods, **02.02**
**B317/B317M-07** Specification for Aluminum-Alloy Extruded Bar, Rod, Tube, Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor), **02.02**
*B318 Withdrawn 1963; Specification for Type A and Type B Aluminum-Alloy Drawn Annealed Seamless Coiled Tubes; Combined with B 307*
**B319-91(2009)** Guide for Preparation of Lead and Lead Alloys for Electroplating, **02.05**
**B320-60(2013)** Practice for Preparation of Iron Castings for Electroplating, **02.05**
*B321 Withdrawn 1963; Recommended Practice for Dimension Standards for Projection Welding Contacts*
**B322-99(2009)** Guide for Cleaning Metals Prior to Electroplating, **02.05**
*B323 Withdrawn 1990; Specification for Aluminum Wire, EC-H14 or -H24, for Electrical Purposes; Replaced by B609*
**B324-01(2012)** Specification for Aluminum Rectangular and Square Wire for Electrical Purposes, **02.03**
*B325 Withdrawn 1965; Specification for Refined Secondary Lead*
*B326 Withdrawn 1991; Test Method for Resistance Characteristics of Microcontacts*
**B327-13a** Specification for Master Alloys Used in Making Zinc Die Casting Alloys, **02.04**
*B328 Withdrawn 2009; Test Method for Density, Oil Content, and Interconnected Porosity of Sintered Metal Structural Parts and Oil-Impregnated Bearings; Replaced by B962 and B963*
**B329-06(2012)** Test Method for Apparent Density of Metal Powders and Compounds Using the Scott Volumeter, **02.05**
**B330-12** Test Methods for Estimating Average Particle Size of Metal Powders and Related Compounds Using Air Permeability, **02.05**
**B331-10** Test Method for Compressibility of Metal Powders in Uniaxial Compaction, **02.05**
*B332 Redesignated 1962 - A494; Specification for Nickel-Molybdenum and Nickel-Molybdenum-Chromium Alloy Castings*
**B333-03(2013)** Specification for Nickel-Molybdenum Alloy Plate, Sheet, and Strip, **02.04**
*B334 Withdrawn 1980; Specification for Nickel-Molybdenum-Chromium Alloy (UNS N10002) Plate and Sheet*
**B335-03(2013)** Specification for Nickel-Molybdenum Alloy Rod, **02.04**
*B336 Withdrawn 1980; Specification for Nickel-Molybdenum-Chromium Alloy (UNS N10002) Rod*
*B337 Withdrawn 1997; Specification for Seamless and Welded Titanium and Titanium Alloy Pipe; Replaced by B861 and B862*
**B338-14** Specification for Seamless and Welded Titanium and Titanium Alloy Tubes for Condensers and Heat Exchangers, **02.04**
**B339-12** Specification for Pig Tin, **02.04**
*B340 Withdrawn 1991; Test Method for Surety of Make of Electrical Contact Materials*
*B341/B341M Withdrawn 2007; Specification for Aluminum-Coated (Aluminized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)*
*B342 Withdrawn 1985; Test Method for Electrical Conductivity by Use of Eddy Currents; Replaced by E1004*
**B343-92a(2009)** Practice for Preparation of Nickel for Electroplating with Nickel, **02.05**
**B344-11** Specification for Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements, **02.04**
*B345M Withdrawn 1998—Combined with B 345*
**B345/B345M-11** Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems, **02.02**
*B346 Withdrawn 1966; Specification for Machinable High-Density Tungsten-Nickel-Copper Alloys*
*B347 Withdrawn 1992; Test Method for Hardness of Sintered Metal Friction Materials*
**B348-13** Specification for Titanium and Titanium Alloy Bars and Billets, **02.04**
**B349/B349M-09** Specification for Zirconium Sponge and Other Forms of Virgin Metal for Nuclear Application, **02.04**
**B350/B350M-11** Specification for Zirconium and Zirconium Alloy Ingots for Nuclear Application, **02.04**
**B351/B351M-13** Specification for Hot-Rolled and Cold-Finished Zirconium and Zirconium Alloy Bars, Rod, and Wire for Nuclear Application, **02.04**
**B352/B352M-11** Specification for Zirconium and Zirconium Alloy Sheet, Strip, and Plate for Nuclear Application, **02.04**
**B353-12** Specification for Wrought Zirconium and Zirconium Alloy Seamless and Welded Tubes for Nuclear Service (Except Nuclear Fuel Cladding), **02.04**
**B354-12** Terminology Relating to Uninsulated Metallic Electrical Conductors, **02.03**
**B355-11** Specification for Nickel-Coated Soft or Annealed Copper Wire, **02.03**
*B356 Withdrawn 1976; Specification for Zirconium and Zirconium Alloy Forgings and Extrusions for Nuclear Application*
*B357 Withdrawn 1987; Specification for Remelted Lithium Metal in Ingot Form*
*B358 Withdrawn 1980; Specification for Copper-Nickel Addition Alloy; Replaced by B644*
*B359M Withdrawn 2002; Replaced by B359/B359M*
**B359/B359M-12ε1** Specification for Copper and Copper-Alloy Seamless Condenser and Heat Exchanger Tubes With Integral Fins, **02.01**
**B360-09** Specification for Hard-Drawn Copper Capillary Tube for Restrictor Applications, **02.01**
**B361-08** Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings, **02.02**
**B362-91(2008)** Test Method for Mechanical Torque Rate of Spiral Coils of Thermostat Metal, **02.04**

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**B363-06a** Specification for Seamless and Welded Unalloyed Titanium and Titanium Alloy Welding Fittings, **02.04**
**B364-96(2009)** Specification for Tantalum and Tantalum Alloy Ingots, **02.04**
**B365-12** Specification for Tantalum and Tantalum Alloy Rod and Wire, **02.04**
**B366-10a** Specification for Factory-Made Wrought Nickel and Nickel Alloy Fittings, **02.04**
**B367-13** Specification for Titanium and Titanium Alloy Castings, **02.04**
**B368-09** Test Method for Copper-Accelerated Acetic Acid-Salt Spray (Fog) Testing (CASS Test), **02.05**
**B369-09** Specification for Copper-Nickel Alloy Castings, **02.01**
**B370-12** Specification for Copper Sheet and Strip for Building Construction, **02.01**
**B371/B371M-08(2013)** Specification for Copper-Zinc-Silicon Alloy Rod, **02.01**
**B372-12a** Specification for Seamless Copper and Copper-Alloy Rectangular Waveguide Tube, **02.01**
**B373-00(2006)** Specification for Aluminum Foil for Capacitors, **02.02**
**B374-06(2011)** Terminology Relating to Electroplating, **02.05**
*B375 Withdrawn 1967; Specification for Electrodeposited Coatings of Multi-Layer Nickel Plus Chromium on Steel; Replaced by B456*
*B376 Withdrawn 1992; Test Method for Density of Sintered Metal Friction Materials*
*B377 Withdrawn 1972; Specification for Steel Backed Metal Powder Bearing and Bushing Alloys*
*B378 Withdrawn 1992; Test Method for Transverse Rupture Strength of Sintered Metal Friction Materials*
**B379-11** Specification for Phosphorized Coppers—Refinery Shapes, **02.01**
**B380-97(2013)** Test Method for Corrosion Testing of Decorative Electrodeposited Coatings by the Corrodkote Procedure, **02.05**
**B381-13** Specification for Titanium and Titanium Alloy Forgings, **02.04**
*B382 Withdrawn 1969; Specification for Titanium and Titanium Alloy Bare Welding Rods and Electrodes*
*B383 Withdrawn 1980; Specification for Primary Niobium*
*B384 Withdrawn 1986; Specification for Molybdenum and Molybdenum Alloy Forgings*
*B385 Withdrawn 1986; Specification for Molybdenum and Molybdenum Alloy Billets for Reforging*
**B386-03(2011)** Specification for Molybdenum and Molybdenum Alloy Plate,Sheet, Strip, and Foil, **02.04**
**B387-10** Specification for Molybdenum and Molybdenum Alloy Bar, Rod, and Wire, **02.04**
**B388-06(2012)** Specification for Thermostat Metal Sheet and Strip, **02.04**
**B389-81(2008)** Test Method for Thermal Deflection Rate of Spiral and Helical Coils of Thermostat Metal, **02.04**
*B390 Withdrawn 2010; Practice for Evaluating Apparent Grain Size and Distribution of Cemented Tungsten Carbides*
**B391-09$^{\epsilon 1}$** Specification for Niobium and Niobium Alloy Ingots, **02.04**
**B392-09$^{\epsilon 1}$** Specification for Niobium and Niobium Alloy Bar, Rod, and Wire, **02.04**
**B393-09$^{\epsilon 1}$** Specification for Niobium and Niobium Alloy Strip, Sheet, and Plate, **02.04**
**B394-09$^{\epsilon 1}$** Specification for Niobium and Niobium Alloy Seamless and Welded Tubes, **02.04**
*B395M Withdrawn 2002;Replaced by B395/B395M*
**B395/B395M-13** Specification for U-Bend Seamless Copper and Copper Alloy Heat Exchanger and Condenser Tubes, **02.01**
*B396 Withdrawn 2003; Specification for Aluminum-Alloy 5005-H19 Wire for Electrical Purposes*
*B397 Withdrawn 2003; Specification for Concentric-Lay-Stranded Aluminum-Alloy 5005-H19 Conductors*
*B398M Withdrawn 1999; Replaced by B398/B398M*
**B398/B398M-02(2013)** Specification for Aluminum-Alloy 6201-T81 Wire for Electrical Purposes, **02.03**
*B399M Withdrawn 1999; Replaced by B399/B399M*
**B399/B399M-04(2010)** Specification for Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors, **02.03**
**B400/B400M-14** Specification for Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors, **02.03**
**B401-12** Specification for Compact Round Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/COMP), **02.03**
*B402 Withdrawn 1987; Specification for Copper-Nickel Alloy Plate and Sheet for Pressure Vessels; Replaced by B171*
*B402M Withdrawn 1987; Specification for Copper-Nickel Alloy Plate and Sheet for Pressure Vessels [Metric]; Replaced by B171M*
**B403-12** Specification for Magnesium-Alloy Investment Castings, **02.02**
*B404M Withdrawn 1998—Combined with B 404*
*B404/B404M Withdrawn 2006; Specification for Aluminum and Aluminum-Alloy Seamless Condenser and Heat-Exchanger Tubes with Integral Fins*
*B405 Withdrawn 1967; Specification for Electrodeposited Coatings of Multi-Layer Nickel Plus Chromium on Zinc and Zinc-Base Alloys; Replaced by B456*
**B406-96(2010)** Test Method for Transverse Rupture Strength of Cemented Carbides, **02.05**
**B407-08a** Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube, **02.04**
**B408-06(2011)** Specification for Nickel-Iron-Chromium Alloy Rod and Bar, **02.04**
**B409-06(2011)** Specification for Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip, **02.04**
*B410 Withdrawn 1980; Specification for Unalloyed Sintered Tungsten Billets, Bars, Rods, and Performs for Forging*
**B411/B411M-08** Specification for Copper-Nickel-Silicon Alloy Rod and Bar, **02.01**
*B412 Withdrawn 2000; Specification for Copper-Nickel-Silicon Alloy Wire*
**B413-97a(2012)** Specification for Refined Silver, **02.04**
*B414 Withdrawn 1975; Specification for Primary Hafnium Metal Sponge and Other Forms*
**B415-98(2013)** Specification for Hard-Drawn Aluminum-Clad Steel Wire, **02.03**
**B416-98(2013)** Specification for Concentric-Lay-Stranded Aluminum-Clad Steel Conductors, **02.03**
**B417-13** Test Method for Apparent Density of Non-Free-Flowing Metal Powders Using the Carney Funnel, **02.05**
**B418-12** Specification for Cast and Wrought Galvanic Zinc Anodes, **02.04**
*B419 Withdrawn 1972; Specification for Unalloyed Uranium Castings*
*B420 Withdrawn 1972; Specification for Unalloyed Uranium Melting Stock*
*B421 Withdrawn 1989; Test Method for Electrical Resistivity of Cemented Tungsten Carbides*
**B422/B422M-10$^{\epsilon 1}$** Specification for Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip, **02.01**
**B423-11** Specification for Nickel-Iron-Chromium-Molybdenum-Copper Alloy, **02.04**
**B424-11** Specification for Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Plate, Sheet, and Strip, **02.04**
**B425-11** Specification for Specification for Ni-Fe-Cr-Mo-Cu Alloy (UNS N08825, UNS N08221, and UNS N06845) Rod and Bar, **02.04**
*B426 Withdrawn 1990; Specification for Sintered Copper-Steel Structural Parts; Replaced by B783*
**B427-09** Specification for Gear Bronze Alloy Castings, **02.01**
**B428-09(2013)** Test Method for Angle of Twist in Rectangular and Square Copper and Copper Alloy Tube, **02.01**
**B429/B429M-10$^{\epsilon 1}$** Specification for Aluminum-Alloy Extruded Structural Pipe and Tube, **02.02**
*B430 Withdrawn 2011; Test Method for Particle Size Distribution of Refractory Metal Powders and Related Compounds by Turbidimetry*
*B431 Withdrawn 1993; Practice for Processing of Mandrels for Electroforming; Replaced by B832*
**B432-09a** Specification for Copper and Copper Alloy Clad Steel Plate, **02.01**
*B433 Withdrawn 1976; Specification for Copper-Nickel Alloys in Ingot Form for Castings; Replaced by B30*
**B434-06(2011)** Specification for Nickel-Molybdenum-Chromium-Iron Alloys (UNS N10003, UNS N10242) Plate, Sheet, and Strip, **02.04**
**B435-06(2011)$^{\epsilon 1}$** Specification for UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip, **02.04**
*B436 Withdrawn 1980; Specification for Nickel-Chromium-Molybdenum-Iron-Columbium Alloy (UNS N06001) Sheet and Plate*
*B437 Withdrawn 1981; Method for Tension Testing of Cemented Carbides*
**B438-13** Specification for Bronze-Base Powder Metallurgy (PM) Bearings (Oil-Impregnated), **02.05**
*B438M Withdrawn 1998; Replaced by B438/B438M*
**B439-12** Specification for Iron-Base Powder Metallurgy (PM) Bearings (Oil-Impregnated), **02.05**
**B440-12** Specification for Cadmium, **02.04**
**B441-04(2010)** Specification for Copper-Cobalt-Beryllium, Copper-Nickel-Beryllium, and Copper-Nickel-Lead-Beryllium Rod and Bar (UNS Nos. C17500, C17510, and C17465), **02.01**
*B442 Withdrawn 1993; Specification for Tough-Pitch Chemically Refined Copper Refinery Shapes*
**B443-00(2009)** Specification for Nickel-Chromium-Molybdenum-Columbium Alloy, **02.04**
**B444-06(2011)** Specification for Nickel-Chromium-Molybdenum-Columbium Alloys, **02.04**
*B445 Withdrawn 1995; Specification for Nickel-Chromium-Iron-Columbium-Molybdenum-Tungsten Alloy (UNS N06102) Seamless Pipe and Tube*
**B446-03(2008)$^{\epsilon 1}$** Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625), Nickel-Chromium-Molybdenum-Silicon Alloy (UNS N06219), and Nickel-Chromium-Molybdenum-Tungsten Alloy (UNS N06650) Rod and Bar, **02.04**
**B447-12a** Specification for Welded Copper Tube, **02.01**
*B448 Withdrawn 1969; Specification for Magnesium-Alloy Welding Rods and Bare Electrodes*
**B449-93(2010)$^{\epsilon 1}$** Specification for Chromates on Aluminum, **02.05**
*B450 Withdrawn 1993; Practice for Engineering Design of Electroformed Articles; Replaced by B832*
*B451 Withdrawn 1998; Specification for Copper Foil, Strip, and Sheet for Printed Circuits and Carrier Tapes*
**B452-09** Specification for Copper-Clad Steel Wire for Electronic Application, **02.03**
*B453M Withdrawn 2001; Replaced by B453/B453M*
**B453/B453M-11$^{\epsilon 1}$** Specification for Copper-Zinc-Lead Alloy (Leaded-Brass) Rod, Bar, and Shapes, **02.01**
*B454 Withdrawn 1982; Specification for Mechanically Deposited Coatings of Cadmium and Zinc on Ferrous Metals; Replaced by B695, B696*
**B455-10** Specification for Copper-Zinc-Lead Alloy (Leaded-Brass) Extruded Shapes, **02.01**
**B456-11$^{\epsilon 1}$** Specification for Electrodeposited Coatings of Copper Plus Nickel Plus, **02.05**
**B457-67(2013)** Test Method for Measurement of Impedance of Anodic Coatings on Aluminum, **02.05**
*B458 Withdrawn 2000; Specification for Sintered Nickel Silver Structural Parts*

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*B459 Withdrawn 1992; Test Method for Dynamic Coefficient of Friction and Wear of Sintered Metal Friction Materials Under Dry Conditions*
*B460 Withdrawn 1992; Test Method for Dynamic Coefficient of Friction and Wear of Sintered Metal Friction Materials Under Dry Conditions*
*B461 Withdrawn 1992; Test Method for Frictional Characteristics of Sintered Metal Friction Materials Run in Lubricants*
**B462-10ε2** Specification for Forged or Rolled UNS N06030, UNS N06022, UNS N06035, UNS N06200, UNS N06059, UNS N10362, UNS N06686, UNS N08020, UNS N08024, UNS N08026, UNS N08367, UNS N10276, UNS N10665, UNS N10675, UNS N10629, UNS N08031, UNS N06045, UNS N06025, UNS R20033 Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service, **02.04**
**B463-10** Specification for UNS N08020 Alloy Plate, Sheet, and Strip, **02.04**
**B464-10** Specification for Welded UNS N08020 Alloy Pipe, **02.04**
**B465-11** Specification for Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
*B466M Withdrawn 1998; Replaced by B466/B466M*
**B466/B466M-09** Specification for Seamless Copper-Nickel Pipe and Tube, **02.01**
**B467-09** Specification for Welded Copper-Nickel Pipe, **02.01**
**B468-10** Specification for Welded UNS N08020 Alloy Tubes, **02.04**
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*B485 Withdrawn 1984; Method for Diametral Compression Testing of Cemented Carbides*
*B486 Withdrawn 1991; Specification for Paste Solder*
**B487-85(2013)** Test Method for Measurement of Metal and Oxide Coating Thickness by Microscopical Examination of Cross Section, **02.05**
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**B508-08** Specification for Copper Alloy Strip for Flexible Metal Hose, **02.01**
*B509 Withdrawn 1991; Specification for Supplementary Requirements for Nickel Alloy Plate for Nuclear Applications*
*B510 Withdrawn 1991; Specification for Supplementary Requirements for Nickel Alloy Rod and Bar for Nuclear Applications*
**B511-01(2009)** Specification for Nickel-Iron-Chromium-Silicon Alloy Bars and Shapes, **02.04**
**B512-04(2009)** Specification for Nickel-Chromium-Silicon Alloy (UNS N08330) Billets and Bars, **02.04**
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**B514-05(2009)** Specification for Welded Nickel-Iron-Chromium Alloy Pipe, **02.04**
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*B518 Withdrawn 1995; Specification for Nickel-Chromium-Iron-Columbium-Molybdenum-Tungsten Alloy (UNS N06102) Rod and Bar*
*B519 Withdrawn 1995; Specification for Nickel-Chromium-Iron-Columbium-Molybdenum-Tungsten Alloy (UNS N06102) Seamless Plate, Sheet, and Strip*
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*B524M Withdrawn 1999; Replaced by B524/B524M*
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*B526 Withdrawn 1992; Test Method for Coefficient of Friction and Wear of Sintered Metal Friction Materials Under Dry-Clutch Conditions*
**B527-06** Test Method for Determination of Tap Density of Metallic Powders and Compounds, **02.05**
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*B529 Withdrawn 1979; Test Method for Measurement of Coating Thickness by the Eddy Current Test Method: Non-Conductive Coating on Nonmagnetic Basis Metals; Replaced by B244*
**B530-09** Test Method for Measurement of Coating Thicknesses by the Magnetic Method: Electrodeposited Nickel Coatings on Magnetic and Nonmagnetic Substrates, **02.05**
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**B533-85(2013)** Test Method for Peel Strength of Metal Electroplated Plastics, **02.05**
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**B535-06(2011)** Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Seamless Pipe and Tube, **02.04**
**B536-07(2013)** Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip, **02.04**
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**B545-13** Specification for Electrodeposited Coatings of Tin, **02.05**
**B546-04(2009)** Specification for Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe, **02.04**
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**B549-13** Specification for Concentric-Lay-Stranded Aluminum Conductors, Aluminum-Clad Steel Reinforced for Use in Overhead Electrical Conductors, **02.03**
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*B553 Withdrawn 1992; Test Method for Thermal Cycling of Electroplated Plastics*
*B554 Withdrawn 1987; Recommended Practice for Measurement of Thickness of Metallic Coatings on Nonmetallic Substrates; Replaced by B659*
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**B571-97(2013)** Practice for Qualitative Adhesion Testing of Metallic Coatings, **02.05**
**B572-06(2011)** Specification for UNS N06002, UNS N06230, UNS N12160, and UNS R30556 Rod, **02.04**
**B573-06(2011)** Specification for Nickel-Molybdenum-Chromium-Iron Alloys (UNS N10003, N10242) Rod, **02.04**
**B574-10** Specification for Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Molybdenum-Chromium-Tantalum, Low-Carbon Nickel-Chromium-Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Rod, **02.04**
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*B583 Withdrawn 1986; Test Method for Porosity in Gold Coatings on Metal Substrates; Replaced by B735, B741*
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*B585 Withdrawn 1989; Specification for Seamless Copper-Alloy Water Tube*
*B586 Withdrawn 1988; Specification for Welded Copper-Alloy Water Tube*
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**B589-94(2012)** Specification for Refined Palladium, **02.04**
*B590 Withdrawn 1981; Specification for Nickel-Iron-Chromium-Manganese-Molybdenum Alloy (UNS N08245) Plate, Sheet, and Strip*
**B591-09** Specification for Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar, **02.01**
**B592-11** Specification for Copper-Zinc-Aluminum-Cobalt Alloy, Copper-Zinc-Tin-Iron Alloy Plate, Sheet, Strip, and Rolled Bar, **02.01**
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**B599-92(2009)$^{\epsilon 1}$** Specification for Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Plate, Sheet, and Strip, **02.04**
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**B604-91(2008)** Specification for Decorative Electroplated Coatings of Copper Plus Nickel Plus Chromium on Plastics, **02.05**
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**B614-10** Practice for Descaling and Cleaning Zirconium and Zirconium Alloy Surfaces, **02.04**
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**B617-98(2010)** Specification for Coin Silver Electrical Contact Alloy, **02.04**
**B618/B618M-11a** Specification for Aluminum-Alloy Investment Castings, **02.02**
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**B620-03(2013)** Specification for Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Plate, Sheet, and Strip, **02.04**
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**B622-10$^{\epsilon 1}$** Specification for Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube, **02.04**
*B623 Withdrawn 1996; Specification for Tough-Pitch Fire-Refined High-Conductivity Copper—Refinery Shapes*
**B624-07(2012)** Specification for High-Strength, High-Conductivity Copper-Alloy Wire for Electronic Application, **02.03**
**B625-05(2011)** Specification for UNS N08925, UNS N08031, UNS N08932, UNS N08926, UNS N08354, and UNS R20033 Plate, Sheet, and Strip, **02.04**
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*B627 Withdrawn 1998; Test Method for Electrolytic Corrosion Testing (EC Test)*
**B628-98(2010)** Specification for Silver-Copper Eutectic Electrical Contact Alloy, **02.04**
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**B631-93(2010)** Specification for Silver-Tungsten Electrical Contact Materials, **02.04**
*B632M Withdrawn 1993; Replaced by B632/B632M*
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**B635-00(2009)** Specification for Coatings of Cadmium-Tin Mechanically Deposited, **02.05**
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*B638 Withdrawn 1992; Specification for Copper and Copper-Alloy Solar Heat Absorber Panels*
**B639-02(2013)** Specification for Precipitation Hardening Cobalt-Containing Alloys (UNS R30155 and UNS R30816) Rod, Bar, Forgings, and Forging Stock for High-Temperature Service, **02.04**

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*B641 Withdrawn 1996; Specification for Seamless and Welded Copper Distribution Tube (Type D)*
*B642 Withdrawn 1994; Specification for Welded Copper Alloy UNS C21000 Water Tube*
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**B651-83(2010)** Test Method for Measurement of Corrosion Sites in Nickel Plus Chromium or Copper Plus Nickel Plus Chromium Electroplated Surfaces with Double-Beam Interference Microscope, **02.05**
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*B656 Withdrawn 2000; Guide for Autocatalytic (Electroless) Nickel-Phosphorus Deposition on Metals for Engineering Use*
**B657-11** Guide for Metallographic Identification of Microstructure in Cemented Carbides, **02.05**
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*B669 Withdrawn 1999; Specification for Zinc-Aluminum Alloys in Ingot Form for Foundry and Die Castings*
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**B680-80(2009)** Test Method for Seal Quality of Anodic Coatings on Aluminum by Acid Dissolution, **02.05**
*B681 Withdrawn 2001; Test Method for Measurement of Thickness of Anodic Coatings on Aluminum and of Other Transparent Coatings on Opaque Surfaces, Using the Light-Section Microscope*
**B682-01(2009)** Specification for Standard Metric Sizes of Electrical Conductors, **02.03**
**B683-01(2012)** Specification for Pure Palladium Electrical Contact Material, **02.04**
**B684-97(2012)** Specification for Platinum-Iridium Electrical Contact Materials, **02.04**
**B685-01(2012)** Specification for Palladium-Copper Electrical Contact Material, **02.04**
**B686/B686M-11** Specification for Aluminum Alloy Castings, High-Strength, **02.02**
**B687-99(2011)** Specification for Brass, Copper, and Chromium-Plated Pipe Nipples, **02.01**
**B688-96(2009)** Specification for Chromium-Nickel-Molybdenum-Iron (UNS N08366 and UNS N08367) Plate, Sheet, and Strip, **02.04**
**B689-97(2013)** Specification for Electroplated Engineering Nickel Coatings, **02.05**
**B690-02(2013)** Specification for Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Seamless Pipe and Tube, **02.04**
**B691-02(2013)** Specification for Iron-Nickel-Chromium-Molybdenum Alloys (UNS N08366 and UNS N08367) Rod, Bar, and Wire, **02.04**
**B692-90(2012)** Specification for 75 % Silver-25 % Graphite Sliding Contact Material, **02.04**
**B693-91(2012)** Specification for Silver-Nickel Electrical Contact Materials, **02.04**
**B694-13** Specification for Copper, Copper-Alloy, Copper-Clad Bronze (CCB), Copper-Clad Stainless Steel (CCS), and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding, **02.01**
**B695-04(2009)** Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel, **02.05**
**B696-00(2009)** Specification for Coatings of Cadmium Mechanically Deposited, **02.05**
**B697-88(2010)** Guide for Selection of Sampling Plans for Inspection of Electrodeposited Metallic and Inorganic Coatings, **02.05**
**B698-10** Classification for Seamless Copper and Copper Alloy Plumbing Pipe and Tube, **02.01**
**B699-86(2008)** Specification for Coatings of Cadmium Vacuum-Deposited on Iron and Steel, **02.05**
**B700-08** Specification for Electrodeposited Coatings of Silver for Engineering Use, **02.05**
**B701/B701M-13** Specification for Concentric-Lay-Stranded Self-Damping Aluminum Conductors, Steel Reinforced (ACSR/SD), **02.03**
**B702-93(2010)** Specification for Copper-Tungsten Electrical Contact Material, **02.04**
**B703-10** Test Method for Apparent Density of Metal Powders and Related Compounds Using the Arnold Meter, **02.05**
**B704-03(2009)** Specification for Welded UNS N06625, UNS N06219 and UNS N08825 Alloy Tubes, **02.04**
**B705-05(2009)** Specification for Nickel-Alloy (UNS N06625, N06219 and N08825) Welded Pipe, **02.04**
**B706-00(2011)** Specification for Seamless Copper Alloy (UNS No. C69100) Pipe and Tube, **02.01**
*B707 Withdrawn 1992; Specification for Seamless Copper Water Tube (Special Use)*
*B707M Withdrawn 1992; Specification for Seamless Copper Water Tube (Special Use) [Metric]*
**B708-12** Specification for Tantalum and Tantalum Alloy Plate, Sheet, and Strip, **02.04**
**B709-04(2009)** Specification for Iron-Nickel-Chromium-Molybdenum Alloy (UNS N08028) Plate, Sheet, and Strip, **02.04**
**B710-04(2009)** Specification for Nickel-Iron-Chromium-Silicon Alloy Welded Pipe, **02.04**
**B711-13** Specification for Concentric-Lay-Stranded Aluminum-Alloy Conductors, Steel Reinforced (AACSR) (6201), **02.03**
**B712-93(2012)** Guide for Determination of Sodium and Potassium Content For Silver-Cadmium Oxide Contact Materials, **02.04**
*B713 Withdrawn 2001; Terminology Relating to Superconductors*
*B714 Withdrawn 2001; Test Method for D-C Critical Current of Composite Superconductors*
*B715 Withdrawn 2010; Specification for Sintered Copper Structural Parts for Electrical Conductivity Applications*
*B716 Withdrawn 1994; Specification for Welded Copper Water Tube*
*B716M Withdrawn 1994; Specification for Welded Copper Water Tube [Metric]*
**B717-96(2012)** Specification for Refined Ruthenium, **02.04**
**B718-00(2011)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Plate, Sheet, and Strip, **02.04**
**B719-00(2009)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-, **02.04**
*B720 Withdrawn 1999; Specification for Seamless UNS N08310 Tube*
*B721 Withdrawn 2004; Test Method for Microhardness and Case Depth of Powder Metallurgy (P/M) Parts; Replaced by B931*
**B722-06(2011)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Seamless Pipe and Tube, **02.04**
**B723-00(2009)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Pipe, **02.04**
*B724 Withdrawn 2013; Test Method for Indentation Hardness of Aluminum Alloys by Means of a Newage, Portable, Non-Caliper-Type Instrument*
**B725-05(2009)** Specification for Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Pipe, **02.04**
**B726-02(2011)** Specification for Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Welded Tube, **02.04**
**B727-04(2009)** Practice for Preparation of Plastics Materials for Electroplating, **02.05**
*B728 Withdrawn 1990; Specification for Concentric-Lay-Stranded Aluminum-Alloy Conductors, Steel Reinforced(AACSR) (5005)*
**B729-05(2009)** Specification for Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel-Alloy Pipe and Tube, **02.04**
**B730-08(2013)** Specification for Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Tube, **02.04**
**B731-96(2012)** Specification for 60 % Palladium-40 % Silver Electrical Contact Material, **02.04**
*B732 Withdrawn 1998; Test Method for Evaluating the Corrosivity of Solder*

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*Fluxes for Copper Tubing Systems; Replaced by B813*
**B733-04(2009)** Specification for Autocatalytic (Electroless) Nickel-Phosphorus Coatings on Metal, **02.05**
**B734-97(2013)** Specification for Electrodeposited Copper for Engineering Uses, **02.05**
**B735-06(2011)** Test Method for Porosity in Gold Coatings on Metal Substrates by Nitric Acid Vapor, **02.04**
**B736-00(2006)** Specification for Aluminum, Aluminum Alloy and Aluminum-Clad Steel Cable Shielding Stock, **02.02**
**B737-10** Specification for Hot-Rolled and/or Cold-Finished Hafnium Rod and Wire, **02.04**
**B738-13** Specification for Fine-Wire Bunch-Stranded and Rope-Lay Bunch-Stranded Copper Conductors for Use as Electrical Conductors, **02.03**
**B739-03(2013)** Specification for Nickel-Iron-Chromium-Silicon Alloy Welded Tube, **02.04**
**B740-09** Specification for Copper-Nickel-Tin Spinodal Alloy Strip, **02.01**
*B741 Withdrawn 2005; Test Method for Porosity In Gold Coatings On Metal Substrates By Paper Electrography*
**B742-90(2012)** Specification for Fine Silver Electrical Contact Fabricated Material, **02.04**
**B743-12** Specification for Seamless Copper Tube in Coils, **02.01**
**B744/B744M-05(2011)** Specification for Aluminum Alloy Sheet for Corrugated Aluminum Pipe, **02.02**
**B745/B745M-12** Specification for Corrugated Aluminum Pipe for Sewers and Drains, **02.02**
**B746/B746M-02(2012)** Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches, **02.02**
**B747-11** Specification for Copper-Zirconium Alloy Sheet and Strip, **02.01**
**B748-90(2010)** Test Method for Measurement of Thickness of Metallic Coatings by Measurement of Cross Section with a Scanning Electron Microscope, **02.05**
**B749-03(2009)** Specification for Lead and Lead Alloy Strip, Sheet, and Plate Products, **02.04**
**B750-12** Specification for GALFAN, **02.04**
**B751-08(2013)** Specification for General Requirements for Nickel and Nickel Alloy Welded Tube, **02.04**
**B752-06(2011)$^{\varepsilon 2}$** Specification for Castings, Zirconium-Base, Corrosion Resistant, for General Application, **02.04**
**B753-07(2013)** Specification for Thermostat Component Alloys, **02.04**
**B754-10** Test Method for Measuring and Recording the Deviations from Flatness in Copper and Copper Alloy Strip, **02.01**
**B755-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloys, **02.04**
**B756-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloy, **02.04**
**B757-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten-Alloys, **02.04**
**B758-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloys, **02.04**
**B759-00(2011)** Specification for Nickel-Chromium-Molybdenum-Tungsten Alloys, **02.04**
**B760-07(2013)** Specification for Tungsten Plate, Sheet, and Foil, **02.04**
**B761-06(2011)** Test Method for Particle Size Distribution of Metal Powders and Related Compounds by X-Ray Monitoring of Gravity Sedimentation, **02.05**
**B762-90(2010)** Test Method of Variables Sampling of Metallic and Inorganic Coatings, **02.05**
**B763/B763M-13$^{\varepsilon 1}$** Specification for Copper Alloy Sand Castings for Valve Applications, **02.01**
**B764-04(2009)** Test Method for Simultaneous Thickness and Electrode Potential Determination of Individual Layers in Multilayer Nickel Deposit (STEP Test), **02.05**
**B765-03(2013)** Guide for Selection of Porosity and Gross Defect Tests for Electrodeposits and Related Metallic Coatings, **02.05**
**B766-86(2008)** Specification for Electrodeposited Coatings of Cadmium, **02.05**
**B767-88(2010)** Guide for Determining Mass Per Unit Area of Electrodeposited and Related Coatings by Gravimetric and Other Chemical Analysis Procedures, **02.05**
**B768-11** Specification for Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Strip and Sheet, **02.01**
**B769-11** Test Method for Shear Testing of Aluminum Alloys, **02.02**
**B770-10** Specification for Copper-Beryllium Alloy Sand Castings for General Applications, **02.01**
**B771-11$^{\varepsilon 1}$** Test Method for Short Rod Fracture Toughness of Cemented Carbides, **02.05**
**B772-97(2012)** Guide for Specifying the Chemical Compositions for Electrical Contact Materials (Arcing and Nonarcing), **02.04**
*B773 Withdrawn 2013; Guide for Ultrasonic C-Scan Bond Evaluation of Brazed or Welded Electrical Contact Assemblies*
**B774-00(2010)** Specification for Low Melting Point Alloys, **02.04**
**B775-13** Specification for General Requirements for Nickel and Nickel Alloy Welded Pipe, **02.04**
**B776-12** Specification for Hafnium and Hafnium Alloy Strip, Sheet, and Plate, **02.04**
**B777-07(2013)** Specification for Tungsten Base, High-Density Metal, **02.04**
**B778-02(2012)** Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors (AAC/TW), **02.03**
**B779-12** Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR/TW), **02.03**
**B780-98(2010)** Specification for 75 % Silver, 24.5 % Copper, 0.5 % Nickel Electrical Contact Alloy, **02.04**
**B781-93a(2012)** Guide for Silver-Cadmium Oxide Contact Material, **02.04**
*B782 Withdrawn 2007; Specification for Iron Graphite Sintered Bearings (Oil-Impregnated); Replaced by B439*
**B783-13** Specification for Materials for Ferrous Powder Metallurgy (PM) Structural Parts, **02.05**
**B784-01(2012)** Specification for Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables, **02.03**
*B785 Withdrawn 1998; Specification for Compact Round Modified Concentric-Lay-Stranded Copper Conductors for Use in Insulated Electrical Cables*
**B786/B786M-08(2013)$^{\varepsilon 1}$** Specification for 19 Wire Combination Unilay-Stranded Aluminum Conductors for Subsequent Insulation, **02.03**
**B787/B787M-04(2009)** Specification for 19 Wire Combination Unilay-Stranded Copper Conductors for Subsequent Insulation, **02.03**
**B788/B788M-09(2014)** Practice for Installing Factory-Made Corrugated Aluminum Culverts and Storm Sewer Pipe, **02.02**
**B789/B789M-99(2011)** Practice for Installing Corrugated Aluminum Structural Plate Pipe for Culverts and Sewers, **02.02**
**B790/B790M-11** Practice for Structural Design of Corrugated Aluminum Pipe, Pipe-Arches, and Arches for Culverts, Storm Sewers, and Other Buried Conduits, **02.02**
*B791 Withdrawn 1999; Specification for Zinc-Aluminum (ZA) Alloy Foundry and Die Castings*
**B792-13** Specification for Zinc Alloys in Ingot Form for Slush Casting, **02.04**
**B793-13** Specification for Zinc Casting Alloy Ingot for Sheet Metal Forming Dies and Plastic Injection Molds, **02.04**
**B794-97(2009)** Test Method for Durability Wear Testing of Separable Electrical Connector Systems Using Electrical Resistance Measurements, **02.04**
**B795-13** Test Method for Determining the Percentage of Alloyed or Unalloyed Iron Contamination Present in Powder Forged (PF) Steel Materials, **02.05**
**B796-07** Test Method for Nonmetallic Inclusion Content of Powders Intended for Powder Forging (PF) Applications, **02.05**
**B797-93(2007)** Test Method for Surface Finger Oxide Penetration Depth and Presence of Interparticle Oxide Networks in Powder Forged (P/F) Steel Parts, **02.05**
**B798-95(2009)** Test Method for Porosity in Gold or Palladium Coatings on Metal Substrates by Gel-Bulk Electrography, **02.04**
**B799-95(2009)** Test Method for Porosity in Gold and Palladium Coatings by Sulfurous Acid/Sulfur-Dioxide Vapor, **02.04**
**B800-05(2011)** Specification for 8000 Series Aluminum Alloy Wire for Electrical Purposes—Annealed and Intermediate Tempers, **02.03**
**B801-07(2012)** Specification for Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation, **02.03**
*B802M Withdrawn 1998; Replaced by B802/B802M*
**B802/B802M-10** Specification for Zinc–5 % Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR), **02.03**
**B803/B803M-08$^{\varepsilon 1}$** Specification for High-Strength Zinc–5 % Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors, **02.03**
**B804-02(2013)** Specification for UNS N08367 and UNS N08926 Welded Pipe, **02.04**
**B805-06(2011)** Specification for Precipitation Hardening Nickel Alloys Bar and Wire, **02.04**
**B806-08a** Specification for Copper Alloy Permanent Mold Castings for General Applications, **02.01**
**B807/B807M-13** Practice for Extrusion Press Solution Heat Treatment for Aluminum Alloys, **02.02**
**B808-10** Test Method for Monitoring of Atmospheric Corrosion Chambers by Quartz Crystal Microbalances, **02.04**
**B809-95(2013)** Test Method for Porosity in Metallic Coatings by Humid Sulfur Vapor ("Flowers-of-Sulfur"), **02.05**
**B810-01a(2011)** Test Method for Calibration of Atmospheric Corrosion Test Chambers by Change in Mass of Copper Coupons, **02.04**
**B811-13** Specification for Wrought Zirconium Alloy Seamless Tubes for Nuclear Reactor Fuel Cladding, **02.04**
**B812-96(2013)** Test Method for Resistance to Environmental Degradation of Electrical Pressure Connections Involving Aluminum and Intended for Residential Applications, **02.04**
**B813-10** Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube, **02.01**
**B814-06(2011)** Specification for Nickel-Chromium-Iron-Molybdenum-Tungsten Alloy, **02.04**
**B815-02(2011)** Specification for Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy, **02.04**
**B816-00(2009)** Specification for Coatings of Cadmium-Zinc Mechanically Deposited, **02.05**
*B817 Withdrawn 2013; Specification for Powder Metallurgy (PM) Titanium Alloy Structural Components; Replaced by B988*
**B818-03(2013)** Specification for Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy, **02.04**
**B819-00(2011)** Specification for Seamless Copper Tube for Medical Gas Systems, **02.01**
**B820-09** Test Method for Bend Test for Determining the Formability of Copper and Copper Alloy Strip, **02.01**
**B821-10** Guide for Liquid Dispersion of Metal Powders and Related Compounds for Particle Size Analysis, **02.05**
**B822-10** Test Method for Particle Size Distribution of Metal Powders and Related Compounds by Light Scattering, **02.05**

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**B824-11** Specification for General Requirements for Copper Alloy Castings, **02.01**
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**B826-09** Test Method for Monitoring Atmospheric Corrosion Tests by Electrical Resistance Probes, **02.04**
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**B828-02(2010)** Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings, **02.01**
**B829-04a(2009)ε1** Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube, **02.04**
**B830-11** Specification for Uniform Test Methods and Frequency, **02.03**
**B831-14** Test Method for Shear Testing of Thin Aluminum Alloy Products, **02.02**
**B832-93(2013)** Guide for Electroforming with Nickel and Copper, **02.05**
**B833-13** Specification for Zinc and Zinc Alloy Wire for Thermal Spraying (Metallizing) for the Corrosion Protection of Steel, **02.04**
**B834-13** Specification for Pressure Consolidated Powder Metallurgy Iron-Nickel-Chromium-Molybdenum (UNS N08367) and Nickel-Chromium-Molybdenum-Columbium (Nb) (UNS N06625) Alloy Pipe Flanges, Fittings, Valves, and Parts, **02.04**
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**B836-00(2011)** Specification for Compact Round Stranded Aluminum Conductors Using Single Input Wire Construction, **02.03**
**B837-10** Specification for Seamless Copper Tube for Natural Gas and Liquified Petroleum (LP) Gas Fuel Distribution Systems, **02.01**
*B838 Not Assigned*
**B839-04(2009)** Test Method for Residual Embrittlement in Metallic Coated, Externally Threaded Articles, Fasteners, and Rod—Inclined Wedge Method, **02.05**
**B840-99(2009)** Specification for Electrodeposited Coatings of Zinc Cobalt Alloy Deposits, **02.05**
**B841-99(2010)** Specification for Electrodeposited Coatings of Zinc Nickel Alloy Deposits, **02.05**
**B842-99(2011)** Specification for Electrodeposited Coatings of Zinc Iron Alloy Deposits, **02.05**
**B843-13** Specification for Magnesium Alloy Anodes for Cathodic Protection, **02.02**
**B844-98(2010)** Guide for Silver-Tin Oxide Contact Material, **02.04**
**B845-97(2013)** Guide for Mixed Flowing Gas (MFG) Tests for Electrical Contacts, **02.04**
**B846-11a** Terminology for Copper and Copper Alloys, **02.01**
*B847 Withdrawn 1995; Specification for Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposed; Replaced by B246*
**B848-10** Specification for Powder Forged (PF) Ferrous Materials, **02.05**
**B849-02(2013)** Specification for Pre-Treatments of Iron or Steel for Reducing Risk of Hydrogen Embrittlement, **02.05**
**B850-98(2009)** Guide for Post-Coating Treatments of Steel for Reducing the Risk of Hydrogen Embrittlement, **02.05**
**B851-04(2009)** Specification for Automated Controlled Shot Peening of Metallic Articles Prior to Nickel, Autocatalytic Nickel, or Chromium Plating, or as Final Finish, **02.05**
**B852-12** Specification for Continuous Galvanizing Grade (CGG) Zinc Alloys for Hot-Dip Galvanizing of Sheet Steel, **02.04**
**B853-12** Specification for Powder Metallurgy (PM) Boron Stainless Steel Structural Components, **02.05**
**B854-98(2010)ε1** Guide for Measuring Electrical Contact Intermittences, **02.04**
**B855-11** Test Method for Volumetric Flow Rate of Metal Powders Using the Arnold Meter and Hall Flowmeter Funnel, **02.05**
**B856-13** Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel Supported (ACSS), **02.03**
**B857-11ε2** Specification for Shaped Wire Compact Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Supported (ACSS/TW), **02.03**
**B858-06(2012)** Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys, **02.01**
**B859-13** Practice for De-Agglomeration of Refractory Metal Powders and Their Compounds Prior to Particle Size Analysis, **02.05**
**B860-13** Specification for Zinc Master Alloys for Use in Hot Dip Galvanizing, **02.04**
**B861-13** Specification for Titanium and Titanium Alloy Seamless Pipe, **02.04**
**B862-13a** Specification for Titanium and Titanium Alloy Welded Pipe, **02.04**
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**B864/B864M-13** Specification for Corrugated Aluminum Box Culverts, **02.02**
**B865-04(2010)** Specification for Precipitation Hardening Nickel-Copper-Aluminum Alloy, **02.04**
**B866-95(2013)** Test Method for Gross Defects and Mechanical Damage in Metallic Coatings by Polysulfide Immersion, **02.05**
**B867-95(2013)** Specification for Electrodeposited Coatings of Palladium-Nickel for Engineering Use, **02.05**
**B868-96(2013)** Practice for Contact Performance Classification of Electrical Connection Systems, **02.04**
**B869-07(2013)** Specification for Copper-Clad Steel Electrical Conductor for CATV Drop Wire, **02.03**
**B870-08** Specification for Copper-Beryllium Alloy Forgings and Extrusions Alloys (UNS Nos. C17500 and C17510), **02.01**
**B871-01(2013)** Test Method for Tear Testing of Aluminum Alloy Products, **02.02**
**B872-06(2011)** Specification for Precipitation-Hardening Nickel Alloys Plate, Sheet, and Strip, **02.04**
**B873-12** Test Method for Measuring Volume of Apparent Density Cup Used in Test Methods B 212, B 329, and B 417, **02.05**
**B874-96(2013)** Specification for Chromium Diffusion Coating Applied by Pack Cementation Process, **02.05**
**B875-96(2013)** Specification for Aluminum Diffusion Coating Applied by Pack Cementation Process, **02.05**
*B876 Withdrawn 2002; Specification for Borated Dispersion Strengthened Copper Plate, Sheet, Strip and Rolled Bar for Nuclear Application*
**B877-96(2013)** Test Method for Gross Defects and Mechanical Damage in Metallic Coatings by the Phosphomolybdic Acid (PMA) Method, **02.05**
**B878-97(2009)** Test Method for Nanosecond Event Detection for Electrical Contacts and Connectors, **02.04**
**B879-97(2013)** Practice for Applying Non-Electrolytic Conversion Coatings on Magnesium and Magnesium Alloys, **02.05**
**B880-03(2008)** Specification for General Requirements for Chemical Check Analysis Limits for Nickel, Nickel Alloys and Cobalt Alloys, **02.04**
**B881-09** Terminology Relating to Aluminum- and Magnesium-Alloy Products, **02.02**
**B882-10** Specification for Pre-Patinated Copper for Architectural Applications, **02.01**
**B883-10ε1** Specification for Metal Injection Molding (MIM) Ferrous Materials, **02.05**
**B884-11** Specification for Niobium-Titanium Alloy Billets, Bar, and Rod for Superconducting Applications, **02.04**
**B885-09** Test Method for Presence of Foreign Matter on Printed Wiring Board Contacts, **02.04**
**B886-12** Test Method for Determination of Magnetic Saturation (Ms) of Cemented Carbides, **02.05**
**B887-12** Test Method for Determination of Coercivity (Hcs) of Cemented Carbides, **02.05**
**B888/B888M-13** Specification for Copper Alloy Strip for Use in Manufacture of Electrical Connectors or Spring Contacts, **02.01**
*B889 Withdrawn 2003; Specification for Solid Hard-Drawn Aluminum Wire for Electrical Purposes*
**B890-07(2012)** Test Method for Determination of Metallic Constituents of Tungsten Alloys and Tungsten Hardmetals by X-Ray Fluorescence Spectrometry, **02.05**
**B891-12** Specification for Seamless and Welded Titanium and Titanium Alloy Condenser and Heat Exchanger Tubes with Enhanced Surface for Improved Heat Transfer, **02.04**
**B892-10** Specification for ACuZinc5, **02.04**
**B893-98(2013)** Specification for Hard-Coat Anodizing of Magnesium for Engineering Applications, **02.05**
**B894-10ε1** Specification for Specification for ACuZinc5 (Zinc-Copper-Aluminum) Alloy Die Castings, **02.04**
**B895-05(2010)ε1** Test Methods for Evaluating the Corrosion Resistance of Stainless Steel Powder Metallurgy (PM) Parts/Specimens by Immersion in a Sodium Chloride Solution, **02.05**
**B896-10ε1** Test Methods for Evaluating Connectability Characteristics of Electrical Conductor Materials, **02.04**
**B897-13** Specification for Configuration of Zinc and Zinc Alloy Jumbo, Block, Half Block, and Slab Ingot, **02.04**
**B898-11** Specification for Reactive and Refractory Metal Clad Plate, **02.04**
**B899-13** Terminology Relating to Non-ferrous Metals and Alloys, **02.04**
**B900-04(2010)** Practice for Packaging of Copper and Copper Alloy Mill Products for U.S. Government Agencies, **02.01**
**B901-04(2011)** Specification for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction, **02.03**
**B902/B902M-13ε1** Specification for Compressed Round Stranded Copper Conductors, Hard, Medium-Hard, or Soft Using Single Input Wire Construction, **02.03**
**B903-10** Specification for Seamless Copper Heat Exchanger Tubes With Internal Enhancement, **02.01**
**B904-00(2009)** Specification for Autocatalytic Nickel over Autocatalytic Copper for Electromagnetic Interference Shielding, **02.05**
**B905-00(2010)** Test Methods for Assessing the Adhesion of Metallic and Inorganic Coatings by the Mechanized Tape Test, **02.05**
**B906-02(2012)** Specification for General Requirements for Flat-Rolled Nickel and Nickel Alloys Plate, Sheet, and Strip, **02.04**
**B907-13** Specification for Zinc, Tin and Cadmium Base Alloys Used as Solders, **02.04**
**B908-09** Practice for the Use of Color Codes for Zinc Casting Alloy Ingot, **02.04**
**B909-00(2011)** Guide for Plane Strain Fracture Toughness Testing of Non-Stress Relieved Aluminum Products, **02.02**
**B910/B910M-07(2013)** Specification for Annealed Copper-Clad Steel Wire, **02.03**
**B911/B911M-12** Specification for ACSR Twisted Pair Conductor (ACSR/TP), **02.03**
**B912-02(2013)** Specification for Passivation of Stainless Steels Using Electropolishing, **02.05**
**B913-05(2010)** Test Method for Evaluation of Crimped Electrical Connections to 16-Gauge and Smaller Diameter Stranded and Solid Conductors, **02.04**
**B914-13ε1** Practice for Color Codes on Zinc and Zinc Alloy Ingot for Use in Hot-Dip Galvanizing of Steel, **02.04**

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**B915-01(2013)$^{\epsilon 1}$** Test Method for Measuring Static Heat Resistance of Self-Cleaning Oven Coating, **02.05**
**B916-01(2013)$^{\epsilon 1}$** Test Method for Adherence of Porcelain Enamel Coatings to Sheet Metal, **02.05**
**B917/B917M-12** Practice for Heat Treatment of Aluminum-Alloy Castings from All Processes, **02.02**
**B918/B918M-09** Practice for Heat Treatment of Wrought Aluminum Alloys, **02.02**
**B919-12** Specification for Welded Copper Heat Exchanger Tubes With Internal Enhancement, **02.01**
**B920-01(2011)** Practice for Porosity in Gold and Palladium Alloy Coatings on Metal Substrates by Vapors of Sodium Hypochlorite Solution, **02.04**
**B921-08(2013)** Specification for Non-hexavalent Chromium Conversion Coatings on Aluminum and Aluminum Alloys, **02.05**
**B922-10** Test Method for Metal Powder Specific Surface Area by Physical Adsorption, **02.05**
**B923-10** Test Method for Metal Powder Skeletal Density by Helium or Nitrogen Pycnometry, **02.05**
**B924-02(2012)** Specification for Seamless and Welded Nickel Alloy Condenser and Heat Exchanger Tubes With Integral Fins, **02.04**
**B925-08** Practices for Production and Preparation of Powder Metallurgy (PM) Test Specimens, **02.05**
**B926-09** Method for Pinhole Determination in Aluminum and Aluminum Alloy Plain Foil by Means of a Light Table, **02.02**
**B927/B927M-13** Specification for Brass Rod, Bar, and Shapes, **02.01**
**B928/B928M-14** Specification for High Magnesium Aluminum-Alloy Sheet and Plate for Marine Service and Similar Environments, **02.02**
**B929-05(2011)$^{\epsilon 1}$** Specification for Copper-Nickel-Tin Spinodal Alloy Rod and Bar, **02.01**
**B930-03(2012)** Test Method for Rating Grain Size and Frequency of Abnormally Large Grains in Cemented Tungsten Carbides (Hardmetals), **02.05**
**B931-09** Test Method for Metallographically Estimating the Observed Case Depth of Ferrous Powder Metallurgy (PM) Parts, **02.05**
**B932-04(2010)** Specification for Low-Carbon Nickel-Chromium-Molybdenum-Gadolinium Alloy Plate, Sheet, and Strip, **02.04**
**B933-09** Test Method for Microindentation Hardness of Powder Metallurgy (PM) Materials, **02.05**
**B934-10** Test Method for Effective Case Depth of Ferrous Powder Metallurgy (PM) Parts Using Microindentation Hardness Measurements, **02.05**
**B935-05(2009)$^{\epsilon 1}$** Guide for Steam Treatment of Ferrous Powder Metallurgy (PM) Materials, **02.05**
**B936-13** Specification for Copper-Chromium-Iron-Titanium Alloy Plate, Sheet, Strip and Rolled Bar, **02.01**
**B937-04(2010)** Specification for Copper-Beryllium Seamless Tube (UNS Nos. C17500 and C17510), **02.01**
*B938 Withdrawn 2010; Specification for Copper-Beryllium Alloy Forgings and Extrusions (UNS Nos. C17500 and C17510); Replaced by B870*
**B939-09** Test Method for Radial Crushing Strength, *K*, of Powder Metallurgy (PM) Bearings and Structural Materials, **02.05**
**B940-05(2009)$^{\epsilon 1}$** Practice for Testing Non-Chromate Coatings on Zinc and Cadmium Surfaces, **02.05**
**B941-10** Specification for Heat Resistant Aluminum-Zirconium Alloy Wire for Electrical Purposes, **02.03**
**B942-10$^{\epsilon 1}$** Guide for Specification and Quality Assurance for the Electrical Contact Performance of Crimped Wire Terminations, **02.04**
**B943-13** Specification for Zinc and Tin Alloy Wire Used in Thermal Spraying for Electronic Applications, **02.04**
**B944-11** Specification for Copper-Beryllium Welded Heat Exchanger and Condenser Tube (UNS No. C17510), **02.01**
**B945-06** Practice for Aluminum Alloy Extrusions Press Cooled from an Elevated Temperature Shaping Process for Production of T1, T2, T5 and T10–Type Tempers, **02.02**
**B946-11** Test Method for Surface Finish of Powder Metallurgy (PM) Products, **02.05**
**B947-06(2013)** Practice for Hot Rolling Mill Solution Heat Treatment for Aluminum Alloy Plate, **02.02**
**B949-13** Specification for General Requirements for Zinc and Zinc Alloy Products, **02.04**
**B950-13** Guide for Editorial Procedures and Form of Product Specifications for Copper and Copper Alloys, **02.01**
**B951-11** Practice for Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought, **02.02**
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**B953-13** Practice for Sampling Magnesium and Magnesium Alloys for Spectrochemical Analysis, **02.02**
**B954-07** Test Method for Analysis of Magnesium and Magnesium Alloys by Atomic Emission Spectrometry, **02.02**
**B955/B955M-11** Specification for Aluminum-Alloy Centrifugal Castings, **02.02**
**B956/B956M-10$^{\epsilon 1}$** Specification for Welded Copper and Copper-Alloy Condenser and Heat Exchanger Tubes with Integral Fins, **02.01**
**B957/B957M-08$^{\epsilon 1}$** Specification for Extra-High-Strength and Ultra-High-Strength Zinc-Coated (Galvanized) Steel Core Wire for Overhead Electrical Conductors, **02.03**
**B958/B958M-08$^{\epsilon 1}$** Specification for Extra-High-Strength and Ultra-High-Strength Class A Zinc–5% Aluminum-Mischmetal Alloy-Coated Steel Core Wire for Use in Overhead Electrical Conductors, **02.03**
**B960-13** Specification for Prime Western Grade-Recycled (PWG-R) Zinc, **02.04**
**B961-13** Specification for Silver Coated Copper and Copper Alloy Stranded Conductors for Electronic Space Application, **02.03**
**B962-13** Test Methods for Density of Compacted or Sintered Powder Metallurgy (PM) Products Using Archimedes' Principle, **02.05**
**B963-13** Test Methods for Oil Content, Oil-Impregnation Efficiency, and Interconnected Porosity of Sintered Powder Metallurgy (PM) Products Using Archimedes' Principle, **02.05**
**B964-09** Test Methods for Flow Rate of Metal Powders Using the Carney Funnel, **02.05**
**B965-09** Specification for High Performance Tin-Coated Annealed Copper Wire Intended for Electrical and Electronic Application for Solderability, **02.03**
**B966-10** Test Method for Permeability of Powder Metallurgy (PM) Bearings Using Nitrogen Gas, **02.05**
**B967/B967M-12a** Specification for Copper-Zinc-Tin-Bismuth Alloy Rod, Bar and Wire, **02.01**
**B968/B968M-10** Test Method for Flattening of Copper and Copper-Alloy Pipe and Tube, **02.01**
**B969/B969M-11** Specification for Aluminum-Alloy Castings Produced by the Squeeze Casting, Thixocast and Rheocast Semi-Solid Casting Processes, **02.02**
**B970-09** Test Method for Cleanliness of Powder Metallurgy (PM) Bearings and Structural Parts, **02.05**
**B971-10** Specification for Silver-Coated Braid and Ribbon Flat Copper Wire intended for use in Electronic Application, **02.03**
**B972-10** Specification for Nickel-Coated Braid and Ribbon Flat Copper Wire Intended for use in Electronic Application, **02.03**
**B973-10** Specification for Tin-Coated Braid and Ribbon Flat Copper Wire intended for use in Electronic Application, **02.03**
**B974/B974M-12a** Specification for Free-Cutting Bismuth Brass Rod, Bar and Wire, **02.01**
**B976-11** Specification for Fiber Reinforced Aluminum Matrix Composite (AMC) Core Wire for Aluminum Conductors, Composite Reinforced (ACCR), **02.03**
**B977-13** Specification for Titanium and Titanium Ingots, **02.04**
**B978/B978M-14** Specification for Concentric-Lay-Stranded Aluminum Conductors, Composite Reinforced (ACCR), **02.03**
**B979-12** Specification for Non-Specular (NS) Surface Finish on Overhead Aluminum Electrical Conductors, **02.03**
**B981/B981M-12** Specification for Low Leaded Brass Rod, Bar and Shapes, **02.01**
**B982-12** Specification for Sampling and Sample Preparation of Lead and Lead Alloys for Optical Emission Spectrometric OR ICP Analysis, **02.04**
**B983-13a** Specification for Precipitation Hardened or Cold Worked, Seamless Nickel Alloy Pipe and Tube, **02.04**
**B984-12** Specification for Electrodeposited Coatings of Palladium- Cobalt Alloy for Engineering Use, **02.05**
**B985-12** Practice for Sampling Aluminum Ingots, Billets, Castings and Finished or Semi-Finished Wrought Aluminum Products for Compositional Analysis, **02.02**
**B986-13$^{\epsilon 1}$** Test Method for Determination of Tensile Strength by Mass Method for Stranded Conductors Intended for use in Electronic Application, **02.03**
**B988-13** Specification for Powder Metallurgy (PM) Titanium and Titanium Alloy Structural Components, **02.05**

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# C. CEMENTITIOUS, CERAMIC, CONCRETE, AND MASONRY MATERIALS

*C1 Withdrawn 1916; Method of Test for Cement; Replaced by C150*
*C2 Withdrawn 1917; Method of Test for Fireproof Floor Construction; Replaced by E119*
*C3 Withdrawn 1918; Method of Test for Fireproof Partition Construction; Replaced by E119*
**C4-04(2009)** Specification for Clay Drain Tile and Perforated Clay Drain Tile, **04.05**
**C5-10** Specification for Quicklime for Structural Purposes, **04.01**
*C6 Withdrawn 1981; Specification for Normal Finishing Hydrated Lime; Replaced by C206*
*C7 Withdrawn 1980; Specification for Paving Brick*
*C8 Withdrawn 1941; Definition of Terms Relating to Clay Sewer Pipe*
*C9 Withdrawn 1942; Specification for Portland Cement; Replaced by C150*
**C10/C10M-14** Specification for Natural Cement, **04.01**
**C11-13** Terminology Relating to Gypsum and Related Building Materials and Systems, **04.01**
**C12-13a** Practice for Installing Vitrified Clay Pipe Lines, **04.05**
*C13 Withdrawn 1973; Specification for Standard Strength Clay Sewer Pipe; Replaced by C700*
**C14-14** Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe, **04.05**
**C14M-14** Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe (Metric), **04.05**
*C15 Withdrawn 1930; Specification for Required Safe Crushing Strengths of Sewer Pipe to Carry Loads from Ditch*
**C16-03(2012)** Test Method for Load Testing Refractory Shapes at High Temperatures, **15.01**
*C17 Withdrawn 1926; Method of Test for Slagging Action of Refractory Materials*
*C18 Withdrawn 1966; Methods of Test for Chemical Analysis of Refractory Materials*
*C19 Redesignated 1946 - E119; Methods of Fire Tests of Building Construction and Materials*
**C20-00(2010)** Test Methods for Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick and Shapes by Boiling Water, **15.01**
*C21 Withdrawn 1928; Specification for Building Brick; Replaced by C62, C67, C73*
**C22/C22M-00(2010)** Specification for Gypsum, **04.01**
*C23 Withdrawn 1928; Specification for Calcined Gypsum*
**C24-09(2013)** Test Method for Pyrometric Cone Equivalent (PCE) of Fireclay and High Alumina Refractory Materials, **15.01**
**C25-11** Test Methods for Chemical Analysis of Limestone, Quicklime, and Hydrated Lime, **04.01**
*C26 Withdrawn 1961; Methods of Testing Gypsum and Gypsum Products; Replaced by C471, C472, C473*
**C27-98(2013)** Classification of Fireclay and High-Alumina Refractory Brick, **15.01**
**C28/C28M-10** Specification for Gypsum Plasters, **04.01**
**C29/C29M-09** Test Method for Bulk Density ("Unit Weight") and Voids in Aggregate, **04.02**
*C30 Withdrawn 1979; Method of Test for Voids in Aggregate for Concrete; Replaced by C929*
**C31/C31M-12** Practice for Making and Curing Concrete Test Specimens in the Field, **04.02**
**C32-13** Specification for Sewer and Manhole Brick (Made From Clay or Shale), **04.05**
**C33/C33M-13** Specification for Concrete Aggregates, **04.02**
**C34-13** Specification for Structural Clay Load-Bearing Wall Tile, **04.05**
**C35-01(2009)** Specification for Inorganic Aggregates for Use in Gypsum Plaster, **04.01**
*C36/C36M Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
*C37/C37M Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
*C38 Withdrawn 1994; Method for Panel Spalling Testing Refractory Brick*
**C39/C39M-14a** Test Method for Compressive Strength of Cylindrical Concrete Specimens, **04.02**
**C40/C40M-11** Test Method for Organic Impurities in Fine Aggregates for Concrete, **04.02**
*C41 Withdrawn 1939; Method of Test for Sieve Analysis of Concrete Aggregates and Lime; Replaced by C136*
**C42/C42M-13** Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete, **04.02**
*C43 Withdrawn 2009; Terminology of Structural Clay Products; Replaced by C1232*
*C44 Withdrawn 1936; Rules for Inspection of Concrete and Reinforced Concrete Work*
*C45 Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Cooking of Rags in Paper Manufacture; Replaced by C911*
*C46 Withdrawn 1982; Specification for Quicklime and Limestone for Sulfite Pulp Manufacture; Replaced by C911*
*C47 Withdrawn 1958; Specification for Hydrated Lime for Varnish Manufacture*
*C48 Withdrawn 1954; Specification for Quicklime and Hydrated Lime for Use in the Textile Industry*
*C49 Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Silica Brick Manufacture; Replaced by C911*
**C50/C50M-13** Practice for Sampling, Sample Preparation, Packaging, and Marking of Lime and Limestone Products, **04.01**
**C51-11** Terminology Relating to Lime and Limestone (as used by the Industry), **04.01**
*C52 Withdrawn 1984; Specification for Gypsum Partition Tile or Block*
*C53 Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Water Treatment; Replaced by C911*
*C54 Withdrawn 1940; Specification for Quicklime and Lime for Water Treatment*
**C55-11** Specification for Concrete Building Brick, **04.05**
**C56-13** Specification for Structural Clay Nonloadbearing Tile, **04.05**
*C57 Withdrawn 1990; Specification for Structural Clay Floor Tile*
*C58 Withdrawn 1964; Definition of Terms Relating to Sand*
**C59/C59M-00(2011)** Specification for Gypsum Casting Plaster and Gypsum Molding Plaster, **04.01**
*C60 Withdrawn 1949; Specification for Gypsum Pottery Plaster*
**C61/C61M-00(2011)** Specification for Gypsum Keene's Cement, **04.01**
**C62-13a** Specification for Building Brick (Solid Masonry Units Made From Clay or Shale), **04.05**
*C63 Withdrawn 1985; Specification for Fireclay Brick Refractories for Malleable Iron Furnaces with Removable Bungs, and for Annealing Ovens*
*C64 Withdrawn 1984; Specification for Fireclay Brick Refractories for Heavy Duty Stationary Boiler Service*
*C65 Withdrawn 1940; Specification for Fireclay Brick for Marine Boiler Service*
*C66 Withdrawn 1937; Specification for Sand for Use in Lime Plaster; Replaced by C35*
**C67-13a** Test Methods for Sampling and Testing Brick and Structural Clay Tile, **04.05**
*C68 Withdrawn 1937; Method of Test for Specific Gravity of Fine Aggregate; Replaced by C128*
*C69 Withdrawn 1943; Method of Test for Voids in Inundated Fine Aggregate*
**C70-13** Test Method for Surface Moisture in Fine Aggregate, **04.02**
**C71-12** Terminology Relating to Refractories, **15.01**
*C72 Withdrawn 1949; Specification for Calcined Gypsum for Dental Plasters*
**C73-10** Specification for Calcium Silicate Brick (Sand-Lime Brick), **04.05**
*C74 Withdrawn 1942; Specification for Portland Cement; Replaced by C150*
*C75 Withdrawn 1957; Specification for Reinforced Concrete Sewer Pipe; Combined with C 76*
**C76-14** Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe, **04.05**
**C76M-14** Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe (Metric), **04.05**
*C77 Withdrawn 1945; Test Method for Specific Gravity of Hydraulic Cement; Replaced by C183, C184, C187, C188, C191*
**C78/C78M-10$^{\varepsilon 1}$** Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading), **04.02**
*C79/C79M Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
*C80 Withdrawn 1943; Specification for Curing Portland-Cement Concrete*
*C81 Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs with Bituminous Coverings*
*C82 Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs with Calcium Chloride Admixture*
*C83 Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs by Surface Application of Calcium Chloride*
*C84 Withdrawn 1943; Method of Curing Portland-Cement Concrete Slabs with Wet Coverings*
*C85 Withdrawn 1989; Method of Test for Cement Content of Hardened Portland Cement Concrete; Replaced by C1084*
*C86 Withdrawn 1937; Method of Test for Specific Gravity and Absorption of Coarse Aggregates; Replaced by C127*
**C87/C87M-10** Test Method for Effect of Organic Impurities in Fine Aggregate on Strength of Mortar, **04.02**
**C88-13** Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate, **04.02**
*C89 Withdrawn 1938; Method of Test for Soundness of Coarse Aggregates by Use of Sodium Sulfate, or Magnesium Sulfate; Replaced by C88*
**C90-14** Specification for Loadbearing Concrete Masonry Units, **04.05**
**C91/C91M-12** Specification for Masonry Cement, **04.01**
**C92-95(2010)** Test Methods for Sieve Analysis and Water Content of Refractory Materials, **15.01**
*C93 Withdrawn 1992; Test Methods for Cold Crushing Strength and Modulus of Rupture of Insulating Firebrick*
**C94/C94M-14a** Specification for Ready-Mixed Concrete, **04.02**
*C95 Withdrawn 1938; Method of Test for Specific Gravity and Absorption of Course Aggregate; Replaced by C127, C128*
*C96 Withdrawn 1937; Method of Test for Specific Gravity and Absorption of Fine Aggregate; Replaced by C127, C128*
**C97/C97M-09** Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone, **04.07**
*C98 Withdrawn 1941; Method of Test for Compressive Strength of Natural Building Stone; Replaced by C170*
**C99/C99M-09** Test Method for Modulus of Rupture of Dimension Stone, **04.07**
*C100 Withdrawn 1951; Method of Test for Modulus of Elasticity of Natural Building Stone*
*C101 Withdrawn 1942; Method of Sampling Natural Building Stone and Preparation of Sample for Testing*
*C102 Withdrawn 1951; Method of Shear Testing of Natural Building Stone*
*C103 Withdrawn 1942; Method of Tension Testing of Natural Building Stone*

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*C104 Withdrawn 1942; Definition of Terms Relating to Natural Building Stone*
*C105 Withdrawn 1984; Specification for Ground Fire Clay as a Refractory Mortar for Laying-Up Fireclay Brick*
*C106 Withdrawn 1973; Specification for Refractories for Incinerators*
*C107 Withdrawn 1994; Method of Panel Spalling Testing High-Duty Fireclay Brick*
**C108-46(2013)** Symbols for Heat Transmission, **15.01**
**C109/C109M-13** Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens), **04.01**
**C110-11** Test Methods for Physical Testing of Quicklime, Hydrated Lime, and Limestone, **04.01**
*C111 Withdrawn 1950; Specification for Sodium Silicate for Curing Concrete*
*C112 Withdrawn 1974; Methods of Sampling and Testing Structural Clay Tile; Combined with C 67*
**C113-02(2008)** Test Method for Reheat Change of Refractory Brick, **15.01**
**C114-13** Test Methods for Chemical Analysis of Hydraulic Cement, **04.01**
**C115/C115M-10ε1** Test Method for Fineness of Portland Cement by the Turbidimeter, **04.01**
*C116 Withdrawn 1999; Test Method for Compressive Strength of Concrete Using Portions of Beams Broken in Flexure*
**C117-13** Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing, **04.02**
**C118-11** Specification for Concrete Pipe for Irrigation or Drainage, **04.05**
**C118M-11** Specification for Concrete Pipe for Irrigation or Drainage (Metric), **04.05**
**C119-11** Terminology Relating to Dimension Stone, **04.07**
**C120/C120M-12** Test Methods of Flexure Testing of Slate (Breaking Load, Modulus of Rupture, Modulus of Elasticity), **04.07**
**C121/C121M-09ε1** Test Method for Water Absorption of Slate, **04.07**
*C122 Withdrawn 1994; Test Method for Panel Spalling Testing Super-Duty Fireclay Brick*
**C123/C123M-12** Test Method for Lightweight Particles in Aggregate, **04.02**
*C124 Withdrawn 1974; Method of Test for Flow of Portland-Cement Concrete by Use of the Flow Table*
**C125-13b** Terminology Relating to Concrete and Concrete Aggregates, **04.02**
**C126-14** Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units, **04.05**
**C127-12** Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate, **04.02**
**C128-12** Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate, **04.02**
**C129-11** Specification for Nonloadbearing Concrete Masonry Units, **04.05**
*C130 Withdrawn 1955; Specification for Lightweight Aggregates for Concrete; Replaced by C330, C331, C332*
**C131/C131M-14** Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine, **04.02**
*C132 Withdrawn 1944; Specification for Fire-Retardant Properties of Wood for Scaffolding and Shoring*
**C133-97(2008)ε1** Test Methods for Cold Crushing Strength and Modulus of Rupture of Refractories, **15.01**
**C134-95(2010)** Test Methods for Size, Dimensional Measurements, and Bulk Density of Refractory Brick and Insulating Firebrick, **15.01**
**C135-96(2009)ε1** Test Method for True Specific Gravity of Refractory Materials by Water Immersion, **15.01**
**C136-06** Test Method for Sieve Analysis of Fine and Coarse Aggregates, **04.02**
*C137 Withdrawn 1991; Specification for Solid Load-Bearing Concrete Masonry Units; Replaced by C90*
**C138/C138M-14** Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete, **04.02**
**C139-11** Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes, **04.05**
**C140/C140M-14** Test Methods for Sampling and Testing Concrete Masonry Units and Related Units, **04.05**
**C141/C141M-09** Specification for Hydrated Hydraulic Lime for Structural Purposes, **04.01**
**C142/C142M-10** Test Method for Clay Lumps and Friable Particles in Aggregates, **04.02**
**C143/C143M-12** Test Method for Slump of Hydraulic-Cement Concrete, **04.02**
**C144-11** Specification for Aggregate for Masonry Mortar, **04.05**
*C145 Withdrawn 1992; Specification for Load-Bearing Concrete Masonry Units; Replaced by C90*
**C146-94a(2009)** Test Methods for Chemical Analysis of Glass Sand, **15.02**
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**C151/C151M-09** Test Method for Autoclave Expansion of Hydraulic Cement, **04.01**
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*C153 Withdrawn 1973; Specification for Refractories for Moderate Duty Stationary Boiler Service; Combined with C 64*
*C154 Withdrawn 1985; Method of Test for Warpage of Refractory Brick and Tile, or Deviation from Plane Surface*
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*C164 Withdrawn 1962; Method of Test for Storage Density of Thermal Insulating Cement*
**C165-07(2012)** Test Method for Measuring Compressive Properties of Thermal Insulations, **04.06**
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*C176 Withdrawn 1973; Specification for Fireday Plastic Refractories for Boiler and Incinerator Services; Replaced by C64*
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**C206-03(2009)** Specification for Finishing Hydrated Lime, **04.01**
**C207-06(2011)** Specification for Hydrated Lime for Masonry Purposes, **04.01**
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**C210-95(2007)ε1** Test Method for Reheat Change of Insulating Firebrick, **15.01**
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*C213 Withdrawn 1973; Specification for Alumina-Silica Castable Refractories for Boiler Furnaces and Incinerators; Combined with C 64*
*C214 Withdrawn 1955; Method of Test for Measuring Water Vapor of Materials in Sheet Form; Replaced by E96*
**C215-08** Test Method for Fundamental Transverse, Longitudinal, and, **04.02**
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*C229 Withdrawn 1955; Method of Test for Setting Time of Hydraulic Cement in Mortar (Replacement Card)*
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*C235 Withdrawn 1978; Method of Test for Scratch Hardness of Coarse Aggregate Particles; Replaced by C851*
*C236 Withdrawn 2001; Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box; Replaced by C1363*
*C237 Withdrawn 1974; Method of Sampling Magnesium Oxychloride Compositions and Ingredients*
*C238 Withdrawn 1974; Method of Test for Sieve Analysis of Magnesium Oxychloride Compositions, Aggregates, and Fillers*
*C239 Withdrawn 1974; Method of Test for Sieve Analysis of Plastic Calcined Magnesia*
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*C244 Withdrawn 1974; Methods for Chemical Analysis of Magnesium Sulfate, Technical Grade*
*C245 Withdrawn 1974; Methods for Chemical Analysis of Magnesium Chloride*
*C246 Withdrawn 1974; Methods for Physical Testing of Magnesia for Magnesium Oxychloride Cements*
*C247 Withdrawn 1974; Methods of Test for Ignition Loss and Active Calcium Oxide in Magnesium Oxide for Use in Magnesium Oxychloride Cements*
*C248 Withdrawn 1974; Method of Test for Bulk Density of Magnesium Oxychloride Cements*
*C249 Withdrawn 1974; Method of Slump Test for Field Consistency of Magnesium Oxychloride Cements*
*C250 Withdrawn 1974; Method for Field Determination of Specific Gravity of Gauging Solutions for Magnesium Oxychloride Cements*
*C251 Withdrawn 1974; Method for Mixing Magnesium Oxychloride Cement Compositions with Gauging Solution (for Preparation of Specimens for Laboratory Tests)*
*C252 Withdrawn 1974; Method of Test for Linear Contraction of Magnesium Oxychloride Cements*
*C253 Withdrawn 1974; Method of Test for Linear Change of Magnesium Oxychloride Cements*
*C254 Withdrawn 1974; Method of Test for Setting Time of Magnesium Oxychloride Cements*
*C255 Withdrawn 1974; Method of Test for Consistency of Magnesium Oxychloride Cements by the Flow Table*
*C256 Withdrawn 1974; Method of Test for Flexural Strength of Magnesium Oxychloride Cements (Using Simple Bar with Two-Point or Single-Point Loading)*
*C257 Withdrawn 1974; Method of Test for Compressive Strength of Magnesium Oxychloride Cements*
*C258 Withdrawn 1982; Specification for Quicklime for Calcium Chloride Manufacture; Replaced by C911*
*C259 Withdrawn 1982; Specification for Hydrated Lime for Grease Manufacture; Replaced by C911*
**C260/C260M-10a** Specification for Air-Entraining Admixtures for Concrete, **04.02**
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*C262 Withdrawn 1979; Specification for Mineral Fiber Batt Insulation (Industrial Type)*
*C263 Withdrawn 1967; Specification for Mineral Fiber Blanket Insulation (Metal-Mesh Covered)(Industrial Type); Replaced by C592*
*C264 Withdrawn 1966; Specification for Mineral Fiber Felt Insulation (Industrial Type) for low temperatures; Replaced by C553*
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*C268 Withdrawn 1979; Method of Test for Modulus of Rupture of Castable Refractories; Replaced by C860, C862, C865*
*C269 Withdrawn 1979; Method of Test for Permanent Linear Change on Firing of Castable Refractories; Replaced by C860, C862, C865*
**C270-12a** Specification for Mortar for Unit Masonry, **04.05**
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**C274-07** Terminology of Structural Sandwich Constructions, **15.03**
*C275 Withdrawn 1973; Specification for Oxychloride Magnesia*
*C276 Withdrawn 1974; Specification for Magnesium Chloride*
*C277 Withdrawn 1974; Specification for Magnesium Sulfate, Technical Grade*
*C278 Withdrawn 1965; Specification for Extra Strength Unglazed Clay Pipe; Replaced by C700*
**C279-13a** Specification for Chemical-Resistant Masonry Units, **04.05**
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*C281 Withdrawn 1965; Specification for Mineral Fiber Preformed Pipe Insulation for Elevated Temperatures; Replaced by C547*
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*C284 Withdrawn 1963; Method of Test for Impact Resistance of Porcelain Enameled Utensils*
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*C291 Withdrawn 1972; Method of Test for Resistance of Concrete Specimens to Rapid Freezing in Air and Thawing in Water; Replaced by C666*
*C292 Withdrawn 1966; Method of Test for Resistance of Concrete Specimens to Slow Freezing and Thawing in Water or Brine*
**C293/C293M-10** Test Method for Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading), **04.02**
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*C299 Withdrawn 1973; Specification for Laminated Asbestos Thermal Insulation for Pipes*
*C300 Withdrawn 1964; Specification for Mineral Fiber Preformed Pipe Insulation for Low Temperatures; Replaced by C547*
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*C304 Withdrawn 1957; Method of Test for Vibration Resistance of Preformed Thermal Insulation for Pipes*
**C305-13** Practice for Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency, **04.01**
*C306 Withdrawn 1972; Method of Test for Compressive Strength of Chemical-Resistant Resin Mortars*
**C307-03(2012)** Test Method for Tensile Strength of Chemical-Resistant Mortar, Grouts, and Monolithic Surfacings, **06.02**
**C308-00(2012)ε1** Test Methods for Working, Initial Setting, and Service Strength Setting Times of Chemical-Resistant Resin Mortars, **06.02**
**C309-11** Specification for Liquid Membrane-Forming Compounds for Curing Concrete, **04.02**
*C310 Withdrawn 1965; Method of Test for Resistance of Concrete Specimens to Slow Freezing in Air and Thawing in Water*

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**C311/C311M-13** Test Methods for Sampling and Testing Fly Ash or Natural Pozzolans for Use in Portland-Cement Concrete, **04.02**
*C312 Withdrawn 1967; Recommended Practice for Clearance of Preformed Thermal Pipe Insulation; Replaced by C585*
*C313 Withdrawn 1989; Method of Test for Adherence of Porcelain Enamel and Ceramic Coatings to Sheet Metal*
*C314 Withdrawn 1981; Test Method for Flatness of Porcelain Enameled Panels*
**C315-07(2011)** Specification for Clay Flue Liners and Chimney Pots, **04.05**
*C316 Withdrawn 1986; Classification of Single- and Double-Screened Ground Refractory Materials*
**C317/C317M-00(2010)** Specification for Gypsum Concrete, **04.01**
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*C320 Withdrawn 1963; Specification for 85 Percent Magnesia Thermal Insulation; Replaced by C489*
**C321-00(2012)** Test Method for Bond Strength of Chemical-Resistant Mortars, **04.05**
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**C325-07(2014)** Guide for Wet Sieve Analysis of Ceramic Whiteware Clays, **15.02**
**C326-09** Test Method for Drying and Firing Shrinkages of Ceramic Whiteware Clays, **15.02**
*C327 Withdrawn 1980; Method of Test for Linear Thermal Expansion of Fired Ceramic Whiteware Materials by the Interferometric Method; Replaced by C539*
*C328 Withdrawn 1972; Test Methods for Modulus of Rupture of Fired, Dry-Pressed Ceramic Whiteware Specimens at Normal Temperature; Replaced by C674*
**C329-88(2011)** Test Method for Specific Gravity of Fired Ceramic Whiteware Materials, **15.02**
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*C337 Withdrawn 1970; Method of Test for Average Linear Expansion of Glass; Replaced by E228*
**C338-93(2013)** Test Method for Softening Point of Glass, **15.02**
*C339 Withdrawn 1970; Specification for Cork Pipe Insulation for Low Temperature; Replaced by C640*
*C340 Withdrawn 1970; Specification for Corkboard Thermal Insulation*
**C341/C341M-13** Practice for Preparation and Conditioning of Cast, Drilled, or Sawed Specimens of Hydraulic-Cement Mortar and Concrete Used for Length Change Measurements, **04.02**
*C342 Withdrawn 2001; Test Method for Potential Volume Change of Cement-Aggregate Combinations*
*C343 Withdrawn 1966; Specification for Cellular Glass Insulating Block; Replaced by C552*
*C344 Withdrawn 1964; Specification for Calcium Silicate Thermal Block Insulation; Replaced by C553*
*C345 Withdrawn 1964; Specification for Calcium Silicate Thermal Insulation for Pipes; Replaced by C553*
**C346-87(2009)** Test Method for 45-deg Specular Gloss of Ceramic Materials, **02.05**
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*C351 Withdrawn 2008; Test Method for Mean Specific Heat of Thermal Insulation*
*C352 Withdrawn 1969; Specification for Corkboard Thermal Insulation; Replaced by C640*
*C353 Withdrawn 2002; Test Method for Adhesion of Dried Thermal Insulating or Finishing Cement*
*C354 Withdrawn 2002; Test Method for Compressive Strength of Thermal Insulating or Finishing Cement*
*C355 Withdrawn 1983; Test Methods for Water Vapor Transmission of Thick Materials; Replaced by E96*
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*C358 Withdrawn 1968; Specification for Slag Cement; Replaced by C595*
**C359-13** Test Method for Early Stiffening of Hydraulic Cement (Mortar Method), **04.01**
*C360 Withdrawn 1999; Test Method for Ball Penetration in Freshly Mixed Hydraulic Cement Concrete*
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**C361M-14** Specification for Reinforced Concrete Low-Head Pressure Pipe (Metric), **04.05**
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**C365/C365M-11a** Test Method for Flatwise Compressive Properties of Sandwich Cores, **15.03**
**C366/C366M-11** Test Methods for Measurement of Thickness of Sandwich Cores, **15.03**
**C367/C367M-09** Test Methods for Strength Properties of Prefabricated Architectural Acoustical Tile or Lay-In Ceiling Panels, **04.06**
**C368-88(2011)** Test Method for Impact Resistance of Ceramic Tableware, **15.02**
*C369 Withdrawn 1972; Method of Test for Modulus of Rupture of Fired, Cast or Extruded Whiteware Products; Replaced by C674*
**C370-12** Test Method for Moisture Expansion of Fired Whiteware Products, **15.02**
**C371-09** Test Method for Wire-Cloth Sieve Analysis of Nonplastic Ceramic Powders, **15.02**
**C372-94(2012)** Test Method for Linear Thermal Expansion of Porcelain Enamel and Glaze Frits and Fired Ceramic Whiteware Products by the Dilatometer Method, **15.02**
**C373-88(2006)** Test Method for Water Absorption, Bulk Density, Apparent Porosity, and Apparent Specific Gravity of Fired Whiteware Products, **15.02**
**C374-70(2009)** Test Methods for Fusion Flow of Porcelain Enamel Frits (Flow-Button Methods), **02.05**
**C375-58(2011)$^{\epsilon 1}$** Classification of Water Used in Milling of Porcelain Enamel, **02.05**
*C376 Withdrawn 1974; Definition of Terms Relating to Magnesium Oxychloride and Magnesium Oxysulfate Cements*
*C377 Withdrawn 1983; Specification for Precast Reinforced Gypsum Slabs*
*C378 Withdrawn 1968; Specification for Mineral Fiber Block or Board Insulation for Low Temperature; Replaced by C612*
*C379 Withdrawn 1967; Specification for Fly Ash for Use As a Pozzolanic Material With Lime; Replaced by C593*
*C380 Withdrawn 1965; Specification for Annular Ringed Nails for Gypsum Wallboard; Replaced by C514*
*C381 Withdrawn 1965; Specification for Cellular Glass Thermal Insulation for Pipes; Replaced by C552*
*C382 Withdrawn 1965; Specification for Mineral Fiber Blanket and Felt Insulation (Industrial type) for Elevated Temperatures; Replaced by C553*
*C383 Withdrawn 2002; Test Method for Wet Adhesion of Thermal Insulating Cements to Metal*
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*C388 Withdrawn 1974; Method of Test for Yield of Magnesium Oxychloride Cement (Field Test)*
*C389 Withdrawn 1974; Method of Test for Yield of Magnesium Oxychloride Cement (Laboratory Test)*
**C390-08(2013)** Practice for Sampling and Acceptance of Thermal Insulation Lots, **04.06**
*C391 Withdrawn 1977; Specification for Amosite Asbestos Thermal Insulation for Pipes*
*C392 Withdrawn 1968; Specification for Mineral Fiber Block or Board Thermal Insulation for Elevated Temperatures; Replaced by C612*
**C393/C393M-11$^{\epsilon 1}$** Test Method for Core Shear Properties of Sandwich Constructions by Beam Flexure, **15.03**
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*C396 Withdrawn 1983; Method of Test for Compressive Strength of Chemically Setting Silicate and Silica Chemical-Resistant Mortars; Replaced by C579*
**C397-00(2012)** Practice for Use of Chemically Setting Chemical-Resistant Silicate and Silica Mortars, **04.05**
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**C399-98(2012)** Practice for Use of Chemical-Resistant Resin Mortars, **04.05**
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*C402 Withdrawn 1968; Specification for Raw or Calcined Natural Pozzolans for Use As Admixtures in Portland Cement Concrete; Replaced by C618*
**C403/C403M-08** Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance, **04.02**
**C404-11** Specification for Aggregates for Masonry Grout, **04.05**
*C405 Withdrawn 2006; Practice for Estimating Consistency of Wet-Mixed Thermal Insulating Cement*
**C406/C406M-10** Specification for Roofing Slate, **04.07**
*C407 Withdrawn 1975; Method of Test for Compressive (Crushing) Strength of Fired Whiteware Materials; Replaced by C773*
**C408-88(2011)** Test Method for Thermal Conductivity of Whiteware Ceramics, **15.02**
*C409 Withdrawn 1990; Test Method for Torsion Resistance of Laboratory Specimens of Porcelain Enameled Iron and Steel*
**C410-13** Specification for Industrial Floor Brick, **04.05**
**C411-11** Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation, **04.06**
**C412-11** Specification for Concrete Drain Tile, **04.05**
**C412M-11** Specification for Concrete Drain Tile (Metric), **04.05**
**C413-01(2012)** Test Method for Absorption of Chemical-Resistant Mortars, Grouts, Monolithic Surfacings, and Polymer Concretes, **06.02**
**C414-03(2012)** Test Method for Working, Setting, and Service Strength Setting Times of Chemically Setting Chemical-Resistant Silicate and Silica Mortars, **04.05**
*C415 Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Calcium Silicate Products; Replaced by C911*
**C416-97(2013)** Classification of Silica Refractory Brick, **15.01**
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*C420 Withdrawn 1970; Method of Test for Thermal Conductivity of Insulating Materials at Low Temperatures by Means of the Wilkes Calorimeter*
**C421-08(2014)** Test Method for Tumbling Friability of Preformed Block-Type and Preformed Pipe-Covering-Type Thermal Insulation, **04.06**
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**C423-09a** Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method, **04.06**
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*C431 Withdrawn 1975; Methods for Sampling and Evaluation of Sorptive Mineral Products Used As Floor Absorbents*
*C432 Withdrawn 1967; Specification for Pozzolans for Use with Lime; Replaced by C593*
*C433 Withdrawn 1982; Specification for Quicklime and Hydrated Lime for Hypochlorite Bleach Manufacture; Replaced by C911*
*C434 Withdrawn 1984; Specification for Insulating Firebrick for Linings of Industrial Furnaces Operated with a Neutral or Oxidizing Atmosphere*
*C435 Withdrawn 2001; Classification of Steel Pouring Pit Fireclay Refractories*
*C436 Withdrawn 1990; Test Method for Reheat Change of Carbon Refractory Brick and Shapes*
*C437 Withdrawn 1971; Test Method for Size and Bulk Density of Insulating Fire Brick; Replaced by C134*
*C438 Withdrawn 1973; Method of Test for Thermal Conductivity of Plastic Refractories; Replaced by C417*
*C439 Withdrawn 1990; Test Method for Resisistance to Thermal Spalling of Silica Brick*
*C440 Withdrawn 1969; Specification for Cotton Mats for Curing Concrete*
**C441/C441M-11** Test Method for Effectiveness of Pozzolans or Ground Blast-Furnace Slag in Preventing Excessive Expansion of Concrete Due to the Alkali-Silica Reaction, **04.02**
*C442/C442M Withdrawn 2005; Specification for Gypsum Wallboard; Replaced by C1396*
**C443-12** Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets, **04.05**
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*C445 Withdrawn 1980; Method of Test for Normal Total Emittance of Surfaces of Materials 0.01 in. or Less in Thickness at Approximately Room Temperature*
*C446 Withdrawn 2002; Test Method for Breaking Load and Calculated Modulus of Rupture of Preformed Insulation for Pipes*
**C447-03(2010)** Practice for Estimating the Maximum Use Temperature of Thermal Insulations, **04.06**
**C448-88(2011)$^{\epsilon 1}$** Test Methods for Abrasion Resistance of Porcelain Enamels, **02.05**
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*C460 Withdrawn 2001; Terminology for Asbestos-Cement; Replaced by D2946*
**C461-81(2008)** Test Methods for Mastics and Coatings Used With Thermal Insulation, **04.06**
*C462 Withdrawn 1965; Specification for Standard Strength Ceramic Glazed Clay Pipe; Replaced by C700*
*C463 Withdrawn 1965; Specification for Extra Strength Ceramic Glazed Clay Pipe; Replaced by C700*
*C464 Withdrawn 1990; Test Method for Corrosion Effect of Thermal Insulating Cements on Base Metal*
**C465-10** Specification for Processing Additions for Use in the Manufacture, **04.01**
**C466-03(2012)** Specification for Chemically Setting Silicate and Silica Chemical-Resistant Mortars, **04.05**
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*C468 Withdrawn 1984; Classification of Granular Refractory Dolomite*
**C469/C469M-14** Test Method for Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression, **04.02**
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**C484-99(2009)** Test Method for Thermal Shock Resistance of Glazed Ceramic Tile, **15.02**
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*C486 Withdrawn 1974; Method of Test for Spalling Resistance of Porcelain Enameled Aluminum; Replaced by C703*
*C487 Withdrawn 1982; Method of Test for Resistance to Dropping of Preformed Block-Type Thermal Insulation*
**C488-05(2010)** Test Method for Conducting Exterior Exposure Tests of Finishes for Thermal Insulation, **04.06**
*C489 Withdrawn 1973; Specification for 85 Percent Magnesia Block and Pipe Thermal Insulation; Replaced by C489*
**C490/C490M-11$^{\epsilon 1}$** Practice for Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete, **04.01, 04.02**
*C491 Withdrawn 1992; Test Method for Modulus of Rupture of Air-Setting Plastic Refractories*
**C492-92(2013)** Test Method for Hydration of Granular Dead-Burned Refractory Dolomite, **15.01**
*C493 Withdrawn 2002; Test Method for Bulk Density and Porosity of Granular Refractory Materials by Mercury Displacement*
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**C505-11** Specification for Nonreinforced Concrete Irrigation Pipe with Rubber Gasket Joints, **04.05**
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**C509-06(2011)** Specification for Elastomeric Cellular Preformed Gasket and Sealing, **04.07**
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*C519 Withdrawn 1995; Test Method for Density of Fibrous Loose Fill Building Insulations*
**C520-04(2010)** Test Methods for Density of Granular Loose Fill Insulations, **04.06**
*C521 Withdrawn 1967; Recommended Practice for Outer Diameters of Rigid Thermal Pipe Insulation for Standard Nominal Pipe Sizes (NPS System); Replaced by C585*
**C522-03(2009)$^{\epsilon 1}$** Test Method for Airflow Resistance of Acoustical Materials, **04.06**
*C523 Withdrawn 1991; Test Method for Light Reflectance of Acoustical Materials by the Integrating Sphere Reflectometer*
*C524 Redesignated F130*
*C525 Redesignated F131*
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*C528 Withdrawn 1975; Method of Test for Compressive Strength of High-Strength Ceramic Materials; Replaced by C773*
*C529 Withdrawn 1975; Definition of Terms Relating to Sorptive Mineral Materials Used As Floor Absorbents*
**C530-13** Specification for Structural Clay Nonloadbearing Screen Tile, **04.05**
**C531-00(2012)** Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacings, and Polymer Concretes, **06.02**
*C532 Withdrawn 1993; Specification for Structural Insulating Formboard (Cellulosic Fiber)*
**C533-13** Specification for Calcium Silicate Block and Pipe Thermal Insulation, **04.06**
**C534/C534M-14** Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form, **04.06**
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**C538-83(2009)** Test Method for Color Retention of Red, Orange, and Yellow Porcelain Enamels, **02.05**
**C539-84(2011)** Test Method for Linear Thermal Expansion of Porcelain Enamel and Glaze Frits and Ceramic Whiteware Materials by Interferometric Method, **02.05**
*C540 Withdrawn 1991; Test Method for Image Gloss of Porcelain Enamel Surfaces*
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*C543 Withdrawn 1989; Specification for Slate Blackboards*
**C544-03(2013)** Test Method for Hydration of Dead Burned Magnesite or Periclase Grain, **15.01**
**C545-97(2013)** Classification of Zircon Refractories, **15.01**
*C546 Withdrawn 1985; Method of Test for Load Testing Refractory Brick at High Temperatures, Long Time*
**C547-12** Specification for Mineral Fiber Pipe Insulation, **04.06**
*C548 Withdrawn 1983; Method of Test for Dimensional Stability of Low Temperature Thermal Block and Pipe Insulation*
**C549-06(2012)** Specification for Perlite Loose Fill Insulation, **04.06**
**C550-10** Test Method for Measuring Trueness and Squareness of Rigid Block and Board Thermal Insulation, **04.06**
**C551/C551M-07(2011)$^{\epsilon 1}$** Specification for Asbestos-Cement Fiberboard Insulating Panels, **04.05**
**C552-13** Specification for Cellular Glass Thermal Insulation, **04.06**
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*C555 Withdrawn 1973; Method for Determination of Load Extracted from Glazed Ceramic Surfaces; Replaced by C738*
*C556 Withdrawn 1994; Test Method for Resistance of Overglaze Decorations to Attack by Detergents*
**C557-03(2009)$^{\epsilon 1}$** Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing, **15.06**
*C558 Withdrawn 1982; Method for Measurement of Lattice Spacing of Nuclear Graphite*
**C559-90(2010)** Test Method for Bulk Density by Physical Measurements of Manufactured Carbon and Graphite Articles, **05.05**
**C560-88(2010)$^{\epsilon 1}$** Test Methods for Chemical Analysis of Graphite, **05.05**
**C561-91(2010)$^{\epsilon 1}$** Test Method for Ash in a Graphite Sample, **05.05**
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*C569 Withdrawn 1989; Test Method for Indentation Hardness of Preformed Thermal Insulations*
*C570 Withdrawn 2002; Specification for Oil- and Resin-Base Caulking Compound for Building Construction*
*C571 Withdrawn 1995; Methods for Chemical Analysis of Carbon and Carbon-Ceramic Refractories*
*C572 Withdrawn 1995; Methods for Chemical Analysis of Chrome-Containing Refractories and Chrome Ore*
*C573 Withdrawn 1995; Methods for Chemical Analysis of Fireclay and High-Alumina Refractories*
*C574 Withdrawn 1993; Method for Chemical Analysis of Magnesite and Dolomite Refractories*
*C575 Withdrawn 1995; Methods for Chemical Analysis of Silica Refractories*
*C576 Withdrawn 1994; Methods for Chemical Analysis of Zircon Refractories*
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**C579-01(2012)** Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacings, and Polymer Concretes, **06.02**
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**C581-03(2008)$^{\epsilon 1}$** Practice for Determining Chemical Resistance of Thermosetting Resins Used in Glass-Fiber-Reinforced Structures Intended for Liquid Service, **08.03**
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**C583-10** Test Method for Modulus of Rupture of Refractory Materials at Elevated Temperatures, **15.01**
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**C585-10** Practice for Inner and Outer Diameters of Thermal Insulation for Nominal Sizes of Pipe and Tubing, **04.06**
**C586-11** Test Method for Potential Alkali Reactivity of Carbonate Rocks as Concrete Aggregates (Rock-Cylinder Method), **04.02**
**C587-04(2014)** Specification for Gypsum Veneer Plaster, **04.01**
*C588/C588M Withdrawn 2005; Specification for Gypsum Base for Veneer Plasters; Replaced by C1396/C1396M*
*C589 Withdrawn 1992; Method of Test for Apparent Impact Strength of Preformed Block Type Thermal Insulating Materials*
*C590 Withdrawn 1986; Method of Test for Action on Substrates by Coatings, Adhesives and Joint Sealents Used on or with Thermal Insulations*

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*C594 Withdrawn 1977; Specification for Compression Couplings for Vitrified Clay Plain-End Pipe; Replaced by C425*
**C595/C595M-14** Specification for Blended Hydraulic Cements, **04.01**
**C596-09** Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement, **04.01**
**C597-09** Test Method for Pulse Velocity Through Concrete, **04.02**
**C598-93(2013)** Test Method for Annealing Point and Strain Point of Glass by Beam Bending, **15.02**
*C599 Withdrawn 2002; Specification for Conical Process Glass Pipe and Fittings*
**C600-85(2010)** Test Method of Thermal Shock Test on Glass Pipe, **15.02**
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**C602-13a** Specification for Agricultural Liming Materials, **04.01**
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*C605 Withdrawn 1997; Test Method for Reheat Change of Fireclay Nozzles and Sleeves*
*C606 Withdrawn 1989; Test Method for Lap-Joint Strength of Refractory Mortar at Elevated Temperatures*
**C607-88(2010)$^{\epsilon 1}$** Practice for Coking Large Shapes of Carbon-Bearing Materials, **15.01**
*C608 Withdrawn 1984; Method of Test for Brittle Ring Tensile Strength of Chemically Setting Silicate and Silica Chemical-Resistant Mortars*
**C609-07(2014)** Test Method for Measurement of Light Reflectance Value and Small Color Differences Between Pieces of Ceramic Tile, **15.02**
**C610-11** Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation, **04.06**
**C611-98(2010)$^{\epsilon 1}$** Test Method for Electrical Resistivity of Manufactured Carbon and Graphite Articles at Room Temperature, **05.05**
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**C618-12a** Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete, **04.02**
*C619 Withdrawn 1982; Method of Test for Chemical Resistance of Asbestos Fiber Reinforced thermosetting Resins Used in Self-Supporting Structures*
*C620 Withdrawn 1996; Test Method for Hydration Resistance of Pitch-Bearing Basic Refractory Brick*
**C621-09** Test Method for Isothermal Corrosion Resistance of Refractories to Molten Glass, **15.01**
*C622 Withdrawn 2000; Test Method for Corrosion Resistance of Refractories to Molten Glass Using the Basin Furnace*
**C623-92(2010)** Test Method for Young's Modulus, Shear Modulus, and Poisson's Ratio for Glass and Glass-Ceramics by Resonance, **15.02**
*C624 Withdrawn 1980; Method for Determination of the DIH Purity of Nuclear Graphite*
**C625-95(2010)** Practice for Reporting Irradiation Results on Graphite, **05.05**
*C626 Withdrawn 1985; Methods for Estimating the Thermal Neutron Absorption Cross Section ofNuclear Graphite*
**C627-10** Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester, **15.02**
*C628 Withdrawn 1972; Method for Precision Electroformed Wet Sieve Analysis of Nonplastics Ceramic Powders*
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*C630/C630M Withdrawn 2005; Specification for Water-Resistant Gypsum Backing Board*
**C631-09** Specification for Bonding Compounds for Interior Gypsum Plastering, **04.01**
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**C639-01(2011)** Test Method for Rheological (Flow) Properties of Elastomeric Sealants, **04.07**
*C640 Withdrawn 1994; Specification for Corkboard and Cork Pipe Thermal Insulation*
**C641-09** Test Method for Iron Staining Materials in Lightweight Concrete Aggregates, **04.02**
**C642-13** Test Method for Density, Absorption, and Voids in Hardened Concrete, **04.02**
*C643 Withdrawn 1982; Test Method for Change in Acoustical Absorption of Ceiling Materials Due to Repainting*
*C644 Withdrawn 1982; Specification for Asbestos-Cement Non-Pressure Small Diameter Sewer Pipe; Replaced by C428*
**C645-13** Specification for Nonstructural Steel Framing Members, **04.01**
*C646 Withdrawn 1984; Specification for Steel Drill Screws for the Application of Gypsum Board to Light-Gage Steel Studs; Replaced by C1002*
**C647-08(2013)** Guide to Properties and Tests of Mastics and Coating Finishes for Thermal Insulation, **04.06**
**C648-04(2009)** Test Method for Breaking Strength of Ceramic Tile, **15.02**
*C649 Withdrawn 1971; Test Method for Hydration of Pitch-Breaking Basic Brick*
**C650-04(2009)** Test Method for Resistance of Ceramic Tile to Chemical Substances, **15.02**
**C651-13** Test Method for Flexural Strength of Manufactured Carbon and Graphite Articles Using Four-Point Loading at Room Temperature, **05.05**
**C652-14** Specification for Hollow Brick (Hollow Masonry Units Made From Clay or Shale), **04.05**
**C653-97(2012)** Guide for Determination of the Thermal Resistance of Low-Density Blanket-Type Mineral Fiber Insulation, **04.06**
**C654-11** Specification for Porous Concrete Pipe, **04.05**
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**C660-81(2010)** Practices for Production and Preparation of Gray Iron Castings for Porcelain Enameling, **02.05**
**C661-06(2011)** Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer, **04.07**
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**C666/C666M-03(2008)** Test Method for Resistance of Concrete to Rapid Freezing and Thawing, **04.02**
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**C668-98(2008)** Specification for Asbestos-Cement Transmission Pipe, **04.05**
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*C671 Withdrawn 2003; Test Method for Critical Dilation of Concrete Specimens Subjected to Freezing*
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*C677 Withdrawn 1994; Practice for Use of a Polyethylene Terephthalate Reference Film for the Measurement of the Time-Averaged Vapor Pressure in a Controlled Humidity Space*
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**C681-14** Test Method for Volatility of Oil- and Resin-Based, Knife-Grade, Channel Glazing Compounds, **04.07**
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*C691 Withdrawn 1987; Test Method for Steady-State Thermal Transmission Properties of Nonhomogeneous Pipe Insulation Installed Horizontally; Replaced by C335*
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*C701 Withdrawn 1979; Specification for Nuclear Grade Plutonium Metals*
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*C705 Withdrawn 1993; Method for Chemical Analysis of Zirconia Refractories*
**C706-13** Specification for Limestone for Animal Feed Use, **04.01**
*C707 Withdrawn 1982; Specification for Gypsum Board Substrate for Floor or Roof Assemblies*
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*C713 Withdrawn 2002; Test Method for Slump of an Oil-Base Knife-Grade Channel Glazing Compound*
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**C715-90(2011)ε1** Test Method for Nickel on Steel for Porcelain Enameling by Photometric Analysis, **02.05**
**C716-06(2011)** Specification for Installing Lock-Strip Gaskets and Infill Glazing Materials, **04.07**
**C717-14a** Terminology of Building Seals and Sealants, **04.07**
*C718 Withdrawn 2002; Test Method for Ultraviolet (UV)-Cold Box Exposure of One-Part, Elastomeric, Solvent-Release Type Sealants*
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*C720 Withdrawn 1999; Specification for Spray-Applied Fibrous Thermal Insulation for Elevated Temperature*
*C721 Withdrawn 2002; Test Method for Average Particle Size of Alumina and Silica Powders by Air Permeability*
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**C723-98(2012)** Practice for Chemical-Resistant Resin Grouts for Brick or Tile, **04.05**
**C724-91(2010)** Test Method for Acid Resistance of Ceramic Decorations on Architectural-Type Glass, **15.02**
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*C741 Withdrawn 2002; Test Method for Accelerated Aging of Wood Sash Face Glazing Compound*
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**C743-87(2009)** Test Method for Continuity of Porcelain Enamel Coatings, **02.05**
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*C745 Withdrawn 2008; Test Method for Heat Flux Through Evacuated Insulations Using a Guarded Flat Plate Boiloff Calorimeter*
**C746-90(2008)** Specification for Corrugated Asbestos-Cement Sheets for Bulkheading, **04.05**
**C747-93(2010)ε1** Test Method for Moduli of Elasticity and Fundamental Frequencies of Carbon and Graphite Materials by Sonic Resonance, **05.05**
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**C752-13** Specification for Nuclear-Grade Silver-Indium-Cadmium Alloy, **12.01**
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**C754-11** Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products, **04.01**
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**C756-87(2011)ε1** Test Method for Cleanability of Surface Finishes, **02.05**
**C757-06(2011)ε1** Specification for Nuclear-Grade Plutonium Dioxide Powder, Sinterable, **12.01**
**C758-04(2010)** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Metal, **12.01**
**C759-10** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Nitrate Solutions, **12.01**
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**C761-11** Test Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Uranium Hexafluoride, **12.01**
*C762 Withdrawn 1999; Practice for Application of Spray-Applied Fibrous Thermal Insulation for Elevated Temperatures*
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*C775 Withdrawn 2002; Method for Particle-Size Analysis of Whiteware Clays*
**C776-06(2011)** Specification for Sintered Uranium Dioxide Pellets, **12.01**
**C777-04(2009)** Test Method for Sulfide Resistance of Ceramic Decorations on Glass, **15.02**
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*C789 Withdrawn 2000; Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers; Replaced by C1433*

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**C792-04(2008)** Test Method for Effects of Heat Aging on Weight Loss, Cracking, and Chalking of Elastomeric Sealants, **04.07**

**C793-05(2010)** Test Method for Effects of Laboratory Accelerated Weathering on Elastomeric Joint Sealants, **04.07**

**C794-10** Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants, **04.07**

**C795-08(2013)** Specification for Thermal Insulation for Use in Contact with Austenitic Stainless Steel, **04.06**

**C796/C796M-12** Test Method for Foaming Agents for Use in Producing Cellular Concrete Using Preformed Foam, **04.02**

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**C800-14** Specification for Fibrous Glass Blanket Insulation (Aircraft Type), **04.06**

*C801 Withdrawn 2004; Test Method for Determining the Mechanical Properties of Hardened Concrete Under Triaxial Loads*

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**C803/C803M-03(2010)** Test Method for Penetration Resistance of Hardened Concrete, **04.02**

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**C808-75(2010)$^{\epsilon 1}$** Guide for Reporting Friction and Wear Test Results of Manufactured Carbon and Graphite Bearing and Seal Materials, **05.05**

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**C810-90(2011)$^{\epsilon 1}$** Test Method for Nickel on Steel for Porcelain Enameling by X-Ray Emission Spectrometry, **02.05**

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*C812 Withdrawn 1987; Method of Test for Hydrophobic Contamination on Glass by Water Condensation*

**C813-90(2009)** Test Method for Hydrophobic Contamination on Glass by Contact Angle Measurement, **15.02**

*C814 Not Assigned*

*C815 Not Assigned*

**C816-85(2010)$^{\epsilon 1}$** Test Method for Sulfur in Graphite by Combustion-Iodometric Titration Method, **05.05**

*C817 Not Assigned*

*C818 Not Assigned*

*C819 Withdrawn 1989; Test Method for Specific Surface Area of Carbon or Graphite*

*C820 Not Assigned*

**C821-14** Specification for Lime for Use with Pozzolans, **04.01**

**C822-13** Terminology Relating to Concrete Pipe and Related Products, **04.05**

**C823/C823M-12** Practice for Examination and Sampling of Hardened, **04.02**

**C824-91(2010)** Practice for Specimen Preparation for Determination of Linear Thermal Expansion of Vitreous Glass Enamels and Glass Enamel Frits by the Dilatometer Method, **15.02**

**C825-06(2011)** Specification for Precast Concrete Barriers, **04.05**

*C826 Withdrawn 1982; Specification for Lime and Limestone Products for Industrial Waste Treatment; Replaced by C911*

**C827/C827M-10** Test Method for Change in Height at Early Ages of Cylindrical Specimens of Cementitious Mixtures, **04.02**

**C828-11** Test Method for Low-Pressure Air Test of Vitrified Clay Pipe Lines, **04.05**

**C829-81(2010)** Practices for Measurement of Liquidus Temperature of Glass by the Gradient Furnace Method, **15.02**

**C830-00(2011)** Test Methods for Apparent Porosity, Liquid Absorption, Apparent Specific Gravity, and Bulk Density of Refractory Shapes by Vacuum Pressure, **15.01**

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**C832-00(2010)** Test Method of Measuring Thermal Expansion and Creep of Refractories Under Load, **15.01**

**C833-13** Specification for Sintered (Uranium-Plutonium) Dioxide Pellets, **12.01**

**C834-14** Specification for Latex Sealants, **04.07**

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**C836/C836M-12** Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course, **04.04**

**C837-09** Test Method for Methylene Blue Index of Clay, **15.02**

**C838-96(2010)$^{\epsilon 1}$** Test Method for Bulk Density of As-Manufactured Carbon and Graphite Shapes, **05.05**

**C839-82(2010)** Test Method for Compressive Stress of Porcelain Enamels by Loaded-Beam Method, **02.05**

**C840-13** Specification for Application and Finishing of Gypsum Board, **04.01**

**C841-03(2013)** Specification for Installation of Interior Lathing and Furring, **04.01**

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**C845/C845M-12** Specification for Expansive Hydraulic Cement, **04.01**

**C846-94(2009)** Practice for Application of Cellulosic Fiber Insulating Board for Wall Sheathing, **04.06**

**C847-14** Specification for Metal Lath, **04.01**

**C848-88(2011)** Test Method for Young's Modulus, Shear Modulus, and Poisson's Ratio For Ceramic Whitewares by Resonance, **15.02**

**C849-88(2011)** Test Method for Knoop Indentation Hardness of Ceramic Whitewares, **15.02**

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**C856-14** Practice for Petrographic Examination of Hardened Concrete, **04.02**

**C857-14** Practice for Minimum Structural Design Loading for Underground Precast Concrete Utility Structures, **04.05**

**C858-10$^{\epsilon 1}$** Specification for Underground Precast Concrete Utility Structures, **04.05**

**C859-14** Terminology Relating to Nuclear Materials, **12.01**

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**C861-93(2010)** Practice for Determining Metric Dimensions of Standard Series Refractory Brick and Shapes, **15.01**

**C862-02(2008)** Practice for Preparing Refractory Concrete Specimens by Casting, **15.01**

**C863-00(2010)** Test Method for Evaluating Oxidation Resistance of Silicon Carbide Refractories at Elevated Temperatures, **15.01**

**C864-05(2011)** Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers, **04.07**

**C865-13** Practice for Firing Refractory Concrete Specimens, **15.01**

**C866-11** Test Method for Filtration Rate of Ceramic Whiteware Clays, **15.02**

**C867-94(2014)** Test Method for Soluble Sulfate in Ceramic Whiteware Clays (Photometric Method), **15.02**

**C868-02(2012)** Test Method for Chemical Resistance of Protective Linings, **06.02**

**C869/C869M-11** Specification for Foaming Agents Used in Making Preformed Foam for Cellular Concrete, **04.02**

**C870-11** Practice for Conditioning of Thermal Insulating Materials, **04.06**

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**C872-10** Test Method for Lead and Cadmium Release from Porcelain Enamel, **02.05**

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**C874-11a** Test Method for Rotary Slag Testing of Refractory Materials, **15.01**

**C875-98(2008)** Specification for Asbestos-Cement Conduit, **04.05**

**C876-09** Test Method for Corrosion Potentials of Uncoated Reinforcing Steel in Concrete, **03.02, 04.02**

**C877-08** Specification for External Sealing Bands for Concrete Pipe, Manholes, and Precast Box Sections, **04.05**

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**C878/C878M-14a** Test Method for Restrained Expansion of Shrinkage-Compensating Concrete, **04.02**

**C879-03(2014)** Test Methods for Release Papers Used with Preformed Tape Sealants, **04.07**

**C880/C880M-09** Test Method for Flexural Strength of Dimension Stone, **04.07**

**C881/C881M-13** Specification for Epoxy-Resin-Base Bonding Systems for Concrete, **04.02**

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**C1006-07(2013)** Test Method for Splitting Tensile Strength of Masonry Units, **04.05**
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**C1069-09** Test Method for Specific Surface Area of Alumina or Quartz by Nitrogen Adsorption, **15.02**
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**C1114-06(2013)** Test Method for Steady-State Thermal Transmission Properties by Means of the Thin-Heater Apparatus, **04.06**
**C1115-06(2011)** Specification for Dense Elastomeric Silicone Rubber Gaskets and Accessories, **04.07**
**C1116/C1116M-10a** Specification for Fiber-Reinforced Concrete, **04.02**
*C1117 Withdrawn 2003; Test Method for Time of Setting of Shotcrete Mixtures by Penetration Resistance*
*C1118 Withdrawn 2011; Guide for Selecting Components for Wavelength-Dispersive X-Ray Fluorescence (XRF) Systems*
**C1119/C1119M-90(2009)$^{\epsilon 1}$** Test Method for Vacuum Drainage of Asbestos-Cement Mixes, **04.05**
**C1120/C1120M-98(2011)$^{\epsilon 1}$** Test Method for Wash Test of Asbestos, **04.05**
**C1121/C1121M-04(2009)$^{\epsilon 1}$** Test Method for Turner and Newall (T and N) Wet-Length Classification of Asbestos, **04.05**
**C1122/C1122M-90(2009)$^{\epsilon 1}$** Test Method for Wet Volume of Asbestos, **04.05**
**C1123/C1123M-90(2009)$^{\epsilon 1}$** Test Method for Compressibility and Recovery of Asbestos, **04.05**
**C1124/C1124M-90(2009)$^{\epsilon 1}$** Test Method for Kerosene Retention of Asbestos, **04.05**
**C1125-89(2009)** Test Method for Penetration Index of Asbestos, **04.05**
**C1126-14** Specification for Faced or Unfaced Rigid Cellular Phenolic Thermal Insulation, **04.06**
**C1127-01(2009)** Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with an Integral Wearing Surface, **04.04**
**C1128-01(2008)** Guide for Preparation of Working Reference Materials for Use in Analysis of Nuclear Fuel Cycle Materials, **12.01**
**C1129-12** Practice for Estimation of Heat Savings by Adding Thermal Insulation to Bare Valves and Flanges, **04.06**
**C1130-07(2012)** Practice for Calibrating Thin Heat Flux Transducers, **04.06**
**C1131-10$^{\epsilon 1}$** Practice for Least Cost (Life Cycle) Analysis of Concrete Culvert, Storm Sewer, and Sanitary Sewer Systems, **04.05**
*C1132 Withdrawn 2002; Practice for Calibration of the Heat Flow Meter Apparatus*
**C1133/C1133M-10** Test Method for Nondestructive Assay of Special Nuclear Material in Low-Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning, **12.01**
**C1134-90(2012)$^{\epsilon 1}$** Test Method for Water Retention of Rigid Thermal Insulations Following Partial Immersion, **04.06**
**C1135-00(2011)** Test Method for Determining Tensile Adhesion Properties of Structural Sealants, **04.07**
**C1136-12** Specification for Flexible, Low Permeance Vapor Retarders for Thermal Insulation, **04.06**
*C1137 Withdrawn 2011; Test Method for Degradation of Fine Aggregate Due to Attrition*
**C1138M-12** Test Method for Abrasion Resistance of Concrete (Underwater Method), **04.02**
**C1139-14** Specification for Fibrous Glass Thermal Insulation and Sound Absorbing Blanket and Board for Military Applications, **04.06**
**C1140/C1140M-11** Practice for Preparing and Testing Specimens from Shotcrete Test Panels, **04.02**
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**C1142-95(2013)** Specification for Extended Life Mortar for Unit Masonry, **04.05**
*C1143 Withdrawn 2000; Specification for Helium for Use as a Cover Gas for Liquid Sodium*
**C1144-89(2011)** Test Method for Splitting Tensile Strength for Brittle Nuclear Waste Forms, **12.01**
**C1145-06(2013)** Terminology of Advanced Ceramics, **15.01**
**C1146-09(2013)** Guide for Prefabricated Panel and H–bar Insulation Systems for Vessels, Ducts and Equipment Operating at Temperatures Above Ambient Air, **04.06**
**C1147-01(2012)** Practice for Determining the Short Term Tensile Weld Strength of Chemical-Resistant Thermoplastics, **08.01**
**C1148-92a(2008)** Test Method for Measuring the Drying Shrinkage of Masonry Mortar, **04.05**
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*C1150 Withdrawn 2002; Test Method for the Break-Off Number of Concrete*
*C1151 Withdrawn 2000; Test Method for Evaluating the Effectiveness of Materials for Curing Concrete*
**C1152/C1152M-04(2012)$^{\epsilon 1}$** Test Method for Acid-Soluble Chloride in Mortar and Concrete, **04.02**
**C1153-10** Practice for Location of Wet Insulation in Roofing Systems Using Infrared Imaging, **04.06**
**C1154-06(2011)** Terminology for Non-Asbestos Fiber-Reinforced Cement Products, **04.05**
**C1155-95(2013)** Practice for Determining Thermal Resistance of Building Envelope Components from the In-Situ Data, **04.06**
**C1156-03(2011)** Guide for Establishing Calibration for a Measurement Method

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**C1157/C1157M-11** Performance Specification for Hydraulic Cement, **04.01**
*C1158 Withdrawn 2011; Practice for Installation and Use of Radiant Barrier Systems (RBS) in Building Construction*
**C1159-98(2012)** Specification for Sulfur Polymer Cement and Sulfur Modifier for Use in Chemical-Resistant, Rigid Sulfur Concrete, **04.05**
**C1160-97(2012)** Specification for Chemical-Resistant Carbon Brick, **04.05**
**C1161-13** Test Method for Flexural Strength of Advanced Ceramics at Ambient Temperature, **15.01**
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**C1164-92(2009)** Practice for Evaluation of Limestone or Lime Uniformity From a Single Source, **04.01**
**C1165-12** Test Method for Determining Plutonium by Controlled-Potential Coulometry in H, **12.01**
**C1166-06(2011)** Test Method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories, **04.07**
**C1167-11** Specification for Clay Roof Tiles, **04.05**
**C1168-08** Practice for Preparation and Dissolution of Plutonium Materials for Analysis, **12.01**
**C1169-97(2012)** Guide for Laboratory Evaluation of Automatic Pedestrian SNM Monitor Performance, **12.01**
**C1170/C1170M-14$^{\epsilon 1}$** Test Method for Determining Consistency and Density of Roller-Compacted Concrete Using a Vibrating Table, **04.02**
**C1171-05(2011)** Test Method for Quantitatively Measuring the Effect of Thermal Shock and Thermal Cycling on Refractories, **15.01**
**C1172-09$^{\epsilon 1}$** Specification for Laminated Architectural Flat Glass, **15.02**
**C1173-10$^{\epsilon 1}$** Specification for Flexible Transition Couplings for Underground Piping Systems, **01.02**
**C1174-07(2013)** Practice for Prediction of the Long-Term Behavior of Materials, Including Waste Forms, Used in Engineered Barrier Systems (EBS) for Geological Disposal of High-Level Radioactive Waste, **12.01**
**C1175-99a(2010)** Guide to Test Methods and Standards for Nondestructive Testing of Advanced Ceramics, **15.01**
**C1176/C1176M-13** Practice for Making Roller-Compacted Concrete in Cylinder Molds Using a Vibrating Table, **04.02**
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**C1178/C1178M-13** Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel, **04.01**
**C1179-91(2010)$^{\epsilon 1}$** Test Method for Oxidation Mass Loss of Manufactured Carbon and Graphite Materials in Air, **05.05**
**C1180-10** Terminology of Mortar and Grout for Unit Masonry, **04.05**
**C1181-00(2012)** Test Methods for Compressive Creep of Chemical-Resistant Polymer Machinery Grouts, **04.02**
**C1182-09** Test Method for Determining the Particle Size Distribution of Alumina by Centrifugal Photosedimentation, **15.02**
**C1183/C1183M-13** Test Method for Extrusion Rate of Elastomeric Sealants, **04.07**
**C1184-14** Specification for Structural Silicone Sealants, **04.07**
**C1185-08(2012)** Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards, **04.05**
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**C1187-07** Guide for Establishing Surveillance Test Program for Boron-Based Neutron Absorbing Material Systems for Use in Nuclear Spent Fuel Storage Racks, **12.01**
**C1188-04(2011)** Guide for Establishing a Quality Assurance Program for Uranium Conversion Facilities, **12.01**
**C1189-11** Guide to Procedures for Calibrating Automatic Pedestrian SNM Monitors, **12.01**
**C1190-95(2010)** Practice for Location of Test Specimens from Magnesia-Carbon and Impregnated Burned Basic Brick, **15.01**
*C1191 Withdrawn 1999; Practice for Safe Use and Handling of Ceramic Clays and Slips*
*C1192 Withdrawn 1999; Practice for Safe Spraying of Ceramic Glazes*
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**C1195-03(2011)** Test Method for Absorption of Architectural Cast Stone, **04.05**
**C1196-09** Test Method for In Situ Compressive Stress Within Solid Unit Masonry Estimated Using Flatjack Measurements, **04.05**
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**C1204-14** Test Method for Uranium in Presence of Plutonium by Iron(II) Reduction in Phosphoric Acid Followed by Chromium(VI) Titration, **12.01**
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**C1206-02(2010)** Test Method for Plutonium by Iron (II)/Chromium (VI) Amperometric Titration, **12.01**
**C1207-10** Test Method for Nondestructive Assay of Plutonium in Scrap and Waste by Passive Neutron Coincidence Counting, **12.01**
*C1208M Withdrawn 1998; Replaced by C1208/C1208M*
**C1208/C1208M-11** Specification for Vitrified Clay Pipe and Joints for Use in Microtunneling, Sliplining, Pipe Bursting, and Tunnels, **04.05**
*C1209 Withdrawn 2009; Terminology of Concrete Masonry Units and Related Units; Replaced by C1232*
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*C1213 Withdrawn 2001; Terminology Relating to Precast Concrete Products*
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**C1217-00(2012)** Guide for Design of Equipment for Processing Nuclear and Radioactive Materials, **12.01**
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**C1219-05(2009)** Test Methods for Arsenic in Uranium Hexafluoride, **12.01**
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**C1225-08(2012)** Specification for Fiber-Cement Roofing Shingles, Shakes, and Slates, **04.05**
*C1226 Withdrawn 2007; Test Method for Soluble Chlorides in Asbestos*
**C1227-13** Specification for Precast Concrete Septic Tanks, **04.05**
**C1228-96(2009)** Practice for Preparing Coupons for Flexural and Washout Tests on Glass Fiber Reinforced Concrete, **04.05**
**C1229-94(2009)** Test Method for Determination of Glass Fiber Content in Glass Fiber Reinforced Concrete (GFRC)(Wash-Out Test), **04.05**
**C1230-96(2009)** Test Method for Performing Tension Tests on Glass-Fiber Reinforced Concrete (GFRC) Bonding Pads, **04.05**
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*C1237 Withdrawn 2014; Guide to In-Plant Performance Evaluation of Hand-Held SNM Monitors*
**C1238-97(2012)** Guide for Installation of Walk-Through Metal Detectors, **12.01**
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**C1242-14** Guide for Selection, Design, and Installation of Dimension Stone Attachment Systems, **04.07**
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**C1247-14** Test Method for Durability of Sealants Exposed to Continuous Immersion in Liquids, **04.07**
**C1248-08(2012)** Test Method for Staining of Porous Substrate by Joint Sealants, **04.07**
**C1249-06a(2010)** Guide for Secondary Seal for Sealed Insulating Glass Units for Structural Sealant Glazing Applications, **04.07**
**C1250-05** Test Method for Nonvolatile Content of Cold Liquid-Applied Elastomeric Waterproofing Membranes, **04.04**

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*C1251 Withdrawn 2000; Guide for Determination of Specific Surface Area of Advanced Ceramic Materials by Gas Adsorption*
**C1252-06** Test Methods for Uncompacted Void Content of Fine Aggregate (as Influenced by Particle Shape, Surface Texture, and Grading), **04.02**
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**C1263-95(2010)** Test Method for Thermal Integrity of Flexible Water Vapor Retarders, **04.06**
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**C1267-11** Test Method for Uranium by Iron (II) Reduction in Phosphoric Acid Followed by Chromium (VI) Titration in the Presence of Vanadium, **12.01**
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**C1284-10** Practice for Electrodeposition of the Actinides for Alpha Spectrometry, **12.01**
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**C1298-95(2013)** Guide for Design and Construction of Brick Liners for Industrial Chimneys, **04.05**
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**C1300-95(2012)** Test Method for Linear Thermal Expansion of Glaze Frits and Ceramic Whiteware Materials by the Interferometric Method, **15.02**
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**C1303/C1303M-14** Test Method for Predicting Long-Term Thermal Resistance of Closed-Cell Foam Insulation, **04.06**
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*C1310 Withdrawn 2011; Test Method for Determining Radionuclides in Soils by Inductively Coupled Plasma-Mass Spectrometry Using Flow Injection Preconcentration*
**C1311-14** Specification for Solvent Release Sealants, **04.07**
**C1312-97(2012)** Practice for Making and Conditioning Chemical-Resistant Sulfur Polymer Cement Concrete Test Specimens in the Laboratory, **04.05**
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*C1317 Withdrawn 2001; Practice for Dissolution of Silicate or Acid-Resistant Matrix Samples; Replaced by C1463*
**C1318-95(2009)$^{\varepsilon 1}$** Test Method for Determination of Total Neutralizing Capability and Dissolved Calcium and Magnesium Oxide in Lime for Flue Gas Desulfurization (FGD), **04.01**
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**C1322-05b(2010)** Practice for Fractography and Characterization of Fracture Origins in Advanced Ceramics, **15.01**
**C1323-10** Test Method for Ultimate Strength of Advanced Ceramics with Diametrally Compressed C-Ring Specimens at Ambient Temperature, **15.01**
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**C1332-01(2013)** Test Method for Measurement of Ultrasonic Attenuation Coefficients of Advanced Ceramics by Pulse-Echo Contact Technique, **15.01**
*C1333 Not Assigned*
**C1334-05(2010)** Specification for Uranium Oxides with a 235U Content of Less Than 5 % for Dissolution Prior to Conversion to Nuclear-Grade Uranium Dioxide, **12.01**
**C1335-12** Test Method for Measuring Non-Fibrous Content of Man-Made Rock and Slag Mineral Fiber Insulation, **04.06**
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*D1 Withdrawn 1928; Specification for Raw Linseed Oil; Replaced by D234*
*D2 Withdrawn 1972; Method of Test for Abrasion of Rock by Use of the Deval Machine*
*D3 Withdrawn 1965; Method of Test for Toughness of Rock*
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*D14 Withdrawn 1929; Specification for Jacketed Rubber-Lined Fire Hose for Public and Private Fire Department Use; Replaced by D296*
*D15 Withdrawn 1976; Method of Compound and Sample Preparation for Physical Testing of Rubber Products; Replaced by D3182, D3190, D3192*
**D16-12** Terminology for Paint, Related Coatings, Materials, and Applications, **06.01**
*D17 Withdrawn 1942; Specification for Foundry Coke*
*D18 Withdrawn 1939; Test Method for Sieve Analysis of Fine and Coarse Aggregates; Replaced by C136*
*D19 Withdrawn 1939; Test Method for Sieve Analysis of Fine and Coarse Aggregate; Replaced by C136*
**D20-03(2009)** Test Method for Distillation of Road Tars, **04.03**
*D21 Withdrawn 1948; Method of Sampling Coal for Analysis; Replaced by D492*
*D22 Withdrawn 1928; Method of Laboratory Sampling and Analysis of Coal and Coke; Replaced by D3176, D3180*
*D23 Withdrawn 1927; Methods for Establishing Structural Grades of Lumber; Replaced by D245*
*D24 Withdrawn 1927; Methods for Establishing Structural Grades of Lumber; Replaced by D245*
**D25-12** Specification for Round Timber Piles, **04.10**
*D26 Withdrawn 1929; Specification for Woven Jacketed Rubber-Lined Fire Hose for Public and Private Fire Department Use; Replaced by D296*
*D27 Withdrawn 1961; Specification for Natural Rubber AO Insulation for Wire and Cable, 60°C Operation*
*D28 Withdrawn 1921; Specification for Paint Thinners Other Than Turpentine; Replaced by D86*
*D29 Withdrawn 2005; Test Methods for Sampling and Testing Lac Resins*
*D30 Withdrawn 1936; Test Method for Specific Gravity and Absorption of Coarse Aggregates; Replaced by C127*
*D31 Withdrawn 1918; Methods of Testing Woven Textiles Fabrics*
*D32 Withdrawn 1918; Methods of Testing Woven Textiles Fabrics*
*D33 Withdrawn 1918; Methods of Testing Woven Textiles Fabrics*
**D34-08** Guide for Chemical Analysis of White Pigments, **06.03**
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*D37 Withdrawn 1927; Methods of Laboratory Sampling and Analysis of Coal and Coke; Replaced by D271*
*D38 Withdrawn 2006; Test Methods for Sampling Wood Preservatives Prior to Testing*
*D39 Withdrawn 1962; Method of Test for Construction Characteristics of Woven Fabrics; Replaced by D1422, D1423, D1425, D1777, D2261, D2262*
*D40 Withdrawn 1938; Specification for Asphalt for Dampproofing and Waterproofing; Replaced by D449*
**D41/D41M-11** Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing, **04.04**
*D42 Withdrawn 1938; Specification for Coal-Tar Pitch for Foofing, Dampproofing and Waterproofing Level; Replaced by D450*
**D43/D43M-00(2012)ε1** Specification for Coal Tar Primer Used in Roofing, Dampproofing, and Waterproofing, **04.04**
*D44 Withdrawn 1936; Specification for Wooden, Nailed and Lock-Corner Construction, for the Shipment of Canned Foods*
*D45 Withdrawn 1936; Specification for Canned Foods Boxes, Wirebound Construction*
*D46 Withdrawn 1934; Methods of Testing Rubber Hose; Replaced by D380*
*D47 Withdrawn 1928; Methods for Specific Gravity of Lubricants; Replaced by D88, D97, D189, D287*
*D48 Withdrawn 1943; Methods of Testing Molded Materials Used for Electrical Insulation*
**D49-83(2008)ε1** Test Methods of Chemical Analysis of Red Lead, **06.03**
**D50-90(2011)** Test Methods for Chemical Analysis of Yellow, Orange, Red, and Brown Pigments Containing Iron and Manganese, **06.03**
*D51 Withdrawn 1927; Specification for raw linseed oil; Replaced by D234*
*D52 Withdrawn 1995; Specification for Wood Paving Blocks for Exposed Platforms, Pavements, Driveways, and Interior Floors Exposed to Wet and Dry Conditions*
*D53 Withdrawn 1929; Specification for Rubber Belting for Power Transmission*
*D54 Withdrawn 1934; Methods of Testing Rubber; Replaced by D380*
*D55 Withdrawn 1937; Test Method for Specific Gravity and Absorption of Fine Aggregate; Replaced by C128*
**D56-05(2010)** Test Method for Flash Point by Tag Closed Cup Tester, **05.01**
*D57 Withdrawn 1963; Specification for Materials for Cement Grout Filler for Brick and Stone Block Pavements*
*D58 Withdrawn 1963; Specification for Materials for Sand-Cement and for Brick and Block Pavements*
*D59 Withdrawn 1963; Specification for Granite Block for Pavements*
*D60 Withdrawn 1934; Methods of Testing Rubber Hose; Replaced by D380*
**D61-75(2010)** Test Method for Softening Point of Pitches (Cube-in-Water Method), **05.01**
*D62 Withdrawn 1923; Specification for Workability of Concrete for Concrete Pavements; Replaced by C143*
*D63 Withdrawn 1938; Specification for Standard Sizes of Coarse Aggregate for Highway Construction; Replaced by D448*
*D64 Withdrawn 1938; Specification for Crushed Stone, Crushed Slag and Gravel for Water-Bound Macadam Base and Surface Coarse of Pavements; Replaced by D448*
*D65 Withdrawn 1938; Specification for Crushed Stone, Crushed Slag and Gravel for Water-Bound Macadam Base and Surface Coarse of Pavements; Replaced by D694*
*D66 Withdrawn 1939; Specification for Water-Bound Base, Shorel-Run or Crusher Run; Replaced by D694*
*D67 Withdrawn 1993; Specification for Pumice Pigment*
*D68 Withdrawn 1936; Specification for Wooden Boxes, Nailed and Lock-Corner Construction*
**D69-12** Test Methods for Friction Tapes, **10.01**
**D70-09ε1** Test Method for Density of Semi-Solid Bituminous Materials (Pycnometer Method), **04.03**
**D71-94(2009)** Test Method for Relative Density of Solid Pitch and Asphalt (Displacement Method), **05.01**
*D72 Withdrawn 1938; Method of Test for Amount of Material Finer than 200 Sieve in Aggregate; Replaced by C117*
*D73 Withdrawn 1930; Method of Test for Quantity of Clay in Sand-Clay, Topsoil and Semi-Gravel for Highway Construction*
*D74 Withdrawn 1923; Method of Test for Amount of Material Finer than 200 Sieve in Aggregate; Replaced by C117*
**D75/D75M-13** Practice for Sampling Aggregates, **04.03**
**D76/D76M-11** Specification for Tensile Testing Machines for Textiles, **07.01**
*D77 Withdrawn 1927; Specification for Raw linseed oil; Replaced by D234*
*D78 Withdrawn 1928; Specification for Boiled linseed oil; Replaced by D260*
**D79-86(2009)** Specification for Zinc Oxide Pigments, **06.03**
*D80 Withdrawn 1982; Specification for Leaded Zinc Oxide*
**D81-87(2008)ε1** Specification for Basic Carbonate White Lead Pigment, **06.03**
*D82 Withdrawn 1982; Specification for Basic Sulfate White Lead*
**D83-84(2008)ε1** Specification for Red Lead Pigment, **06.03**
*D84 Withdrawn 1979; Specification for Red and Brown Iron Oxide Pigments; Replaced by D3721, D3722, D3724*
**D85-05(2011)** Specification for Ochre Pigment, **06.03**
**D86-12** Test Method for Distillation of Petroleum Products at Atmospheric Pressure, **05.01**
**D87-09** Test Method for Melting Point of Petroleum Wax (Cooling Curve), **05.01**
**D88-07(2013)** Test Method for Saybolt Viscosity, **04.04**
*D89 Withdrawn 1923; Method of Test for Copper Corrosion by Copper Strip Test; Replaced by C130*
*D90 Withdrawn 1958; Method of Test for Sulfur in Petroleum Produced by the Gravmetric Method; Replaced by C1266*
**D91-02(2012)** Test Method for Precipitation Number of Lubricating Oils, **05.01**
**D92-12b** Test Method for Flash and Fire Points by Cleveland Open Cup Tester, **05.01**
**D93-13** Test Methods for Flash Point by Pensky-Martens Closed Cup Tester, **05.01**
**D94-07(2012)** Test Methods for Saponification Number of Petroleum Products, **05.01**
**D95-13ε1** Test Method for Water in Petroleum Products and Bituminous Materials by Distillation, **05.01**
*D96 Withdrawn 2000; Test Method for Water and Sediment in Crude Oil by Centrifuge Method (Field Procedure)*
**D97-12** Test Method for Pour Point of Petroleum Products, **05.01**
**D98-05(2013)** Specification for Calcium Chloride, **04.03**
*D99 Withdrawn 1940; Specification for Asphalt Cement, 40 to 50 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements and As Filler for Brick and Block Pavements*
*D100 Withdrawn 1940; Specification for Asphalt Cement, 50 to 60 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements and As Filler for Block Pavements*
*D101 Withdrawn 1940; Specification for Asphalt Cement, 60 to 70 Penetration, for Use in Sheet Asphalt, Asphaltic-Concrete, and Asphalt-Macadam Pavements and As Filler for Block Pavements*
*D102 Withdrawn 1940; Specification for Asphalt Cement, 85 to 100 Penetration, for Use in Asphalt-Macadam Pavements*
*D103 Withdrawn 1940; Specification for Asphalt Cement, 100 to 120 Penetration, for Use in Asphalt-Macadam Pavements*
*D104 Withdrawn 1939; Specification for High Carbon Tar for Surface Treatment, Cold Application; Replaced by D490*
*D105 Withdrawn 1939; Specification for Low-Carbon Tar for Surface Treatment, Cold Application; Replaced by D490*

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*D106 Withdrawn 1939; Specification for High Carbon Tar Cement for Use Cold in Repair Work (Cut-Back Product); Replaced by D490*
*D107 Withdrawn 1939; Specification for Low Carbon Tar Cement, for Use Cold in Repair Work (Cut-Back Product); Replaced by D490*
*D108 Withdrawn 1939; Specification for High Carbon Tar for Surface Treatment, Hot Application; Replaced by D490*
*D109 Withdrawn 1939; Specification for Low Carbon Tar for Surface Treatment, Hot Application; Replaced by D490*
*D110 Withdrawn 1939; Specification for High Carbon Tar Cement; Replaced by D490*
*D111 Withdrawn 1939; Specification for Low Carbon Tar Cement; Replaced by D490*
*D112 Withdrawn 1963; Specification for Coal-Tar Pitch for Stone Block Filler*
**D113-07** Test Method for Ductility of Bituminous Materials, **04.03**
*D114 Withdrawn 1924; Method of Test for Water in Petroleum Products and Other Bituminous Materials; Replaced by D95*
**D115-07(2012)** Test Methods for Testing Solvent Containing Varnishes Used for Electrical Insulation, **10.01**
**D116-86(2011)** Test Methods for Vitrified Ceramic Materials for Electrical Applications, **15.02**
**D117-10** Guide for Sampling, Test Methods, and Specifications for Electrical Insulating Oils of Petroleum Origin, **10.03**
*D118 Withdrawn 1963; Specification for 4-One, and Similar Type Boxes*
*D119 Withdrawn 1986; Specification for Low-Voltage Rubber Insulating Tape*
**D120-09** Specification for Rubber Insulating Gloves, **10.03**
**D121-09a** Terminology of Coal and Coke, **05.06**
*D122 Withdrawn 1993; Tolerances for Tire Fabrics Other Than Tire Cord Fabrics*
**D123-13a$^{\epsilon 1}$** Terminology Relating to Textiles, **07.01**
*D124 Withdrawn 2007; Specification for Degummed Soybean Oil*
*D125 Withdrawn 1955; Specification for Perilla Oil, Raw or Refined*
**D126-87(2012)** Test Methods for Analysis of Yellow, Orange, and Green Pigments Containing Lead Chromate and Chromium Oxide Green, **06.03**
**D127-08** Test Method for Drop Melting Point of Petroleum Wax, Including Petrolatum, **05.01**
**D128-98(2008)** Test Methods for Analysis of Lubricating Grease, **05.01**
**D129-13** Test Method for Sulfur in Petroleum Products (General High Pressure Decomposition Device Method), **05.01**
**D130-12** Test Method for Corrosiveness to Copper from Petroleum Products by Copper Strip Test, **05.01**
*D131 Withdrawn 1963; Specification for Recent Granite Block for Pavements*
*D132 Withdrawn 1963; Specification for Granite Block for Purax Pavements*
*D133 Withdrawn 1940; Specification for Asphalt Cement, 10 to 15 Penetration, for the Manufacture of Asphalt Block*
*D134 Withdrawn 1940; Specification for Asphalt Cement, 15 to 25 Penetration, for the Manufacture of Asphalt Block*
*D135 Withdrawn 1940; Specification for Asphalt Cement, 120 to 150 Penetration, for Use in Asphalt-Macadam Pavements*
*D136 Withdrawn 1938; Method of Test for Amount of Material Finer than 200 Sieve in Aggregates; Replaced by C117*
*D137 Withdrawn 1927; Method of Mechanical Analysis of Subgrade Soils*
*D138 Redesignated C143*
**D139-12** Test Method for Float Test for Bituminous Materials, **04.03**
**D140/D140M-09** Practice for Sampling Bituminous Materials, **04.03**
*D141 Withdrawn 1973; Method of Drop Shatter Test for Coke; Replaced by D3038*
*D142 Withdrawn 1941; Definition of Terms Relating to Coal and Coke; Replaced by D1212*
**D143-14** Test Methods for Small Clear Specimens of Timber, **04.10**
*D144 Withdrawn 1938; Specification for Asphalt for Dampproofing and Waterproofing; Replaced by D449*
*D145 Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing, Damp-proofing and Waterproofing; Replaced by D449*
**D146/D146M-04(2012)$^{\epsilon 1}$** Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing, **04.04**
*D147 Withdrawn 1985; Methods of Testing Bituminous Mastics*
*D148 Withdrawn 1924; Methods of Sampling Bituminous Materials Shipped in Barrels or Drums; Combined with D 449*
**D149-09(2013)** Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies, **10.01**
**D150-11** Test Methods for AC Loss Characteristics and Permittivity (Dielectric Constant) of Solid Electrical Insulation, **10.01**
*D151 Withdrawn 1940; Specification for Rubber Pump Valves*
*D152 Withdrawn 1931; Methods of Testing Cotton Fibers*
**D153-84(2008)** Test Methods for Specific Gravity of Pigments, **06.03**
**D154-85(2009)** Guide for Testing Varnishes, **06.03**
*D155 Withdrawn 1960; Method of Test for Color of Lubricating Oil and Petrolatum by Means of ASTM Union Colorimeter; Replaced by D1500*
**D156-12** Test Method for Saybolt Color of Petroleum Products (Saybolt Chromometer Method), **05.01**
*D157 Withdrawn 1957; Method of Test for Steam Emulsion of Lubricating Oils; Replaced by D1401*
*D158 Withdrawn 1963; Method of Test for Distillation of Gas Oil and Similar Distillate Fuel Oils; Replaced by D86*
*D159 Withdrawn 1939; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Repiaced by D693*
*D160 Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*
*D161 Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*
*D162 Withdrawn 1950; Specification for Fine Aggregate for Sheet Asphalt and Bituminous Concrete Pavements; Replaced by D1073*
*D163 Withdrawn 1940; Specification for Asphalt Cement, 25 to 30 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements*
*D164 Withdrawn 1940; Specification for Asphalt Cement, 30 to 40 Penetration, for Use in Sheet Asphalt and Asphaltic-Concrete Pavements*
*D165 Withdrawn 1967; Method of Test for Proportion of Bitumen Soluble in Carbon Tetrachloride; Replaced by D2042*
*D166 Withdrawn 1963; Specification for Gas and Coking Coals*
**D167-12a** Test Method for Apparent and True Specific Gravity and Porosity of Lump Coke, **05.06**
*D168 Withdrawn 2006; Test Method for Coke Residue of Creosote*
*D169 Withdrawn 1963; Specification for Asphalt Mastic for Use in Waterproofing (Asphalt Cement, Mineral Filler, Mineral Aggregate); Replaced by D491*
*D170 Withdrawn 1977; Specification for Bituminous Grout for Use in Waterproofing Above Ground Level*
*D171 Withdrawn 1977; Specification for Bituminous Grout for Use in Waterproofing Below Ground Level*
*D172 Withdrawn 1926; Specification for Coal-Tar Saturated Roofing Melt for Use in Waterproofing and in Constructing Built Up Roofs; Replaced by D226, D227*
**D173/D173M-03(2011)$^{\epsilon 1}$** Specification for Bitumen-Saturated Cotton Fabrics Used in Roofing and Waterproofing, **04.04**
*D174 Withdrawn 1939; Specification for Burlap Saturated with Bituminous Substances for Use in Waterproofing*
*D175 Withdrawn 1929; Methods of Testing Electrical Insulating Materials for Voltage Effects at Radio Frequencies*
*D176 Withdrawn 2013; Test Methods for Solid Filling and Treating Compounds Used for Electrical Insulation*
*D177 Withdrawn 1934; Methods of Testing Rubber Hose; Replaced by D380*
**D178-01(2010)** Specification for Rubber Insulating Matting, **10.03**
*D179 Withdrawn 1975; Methods of Testing Cotton Tire Cords and Cord Fabrics Made from Cotton*
*D180 Withdrawn 1968; Methods of Testing Tolerances for Cotton Yarns; Replaced by D2645*
*D181 Withdrawn 1976; Specification for Tolerances for Cotton Fabrics for Manufacture of Hose and Belts*
*D182 Withdrawn 1940; Specification for ASTM Thermometer; Replaced by E1*
*D183 Withdrawn 1940; Specification for ASTM Thermometer; Replaced by E1*
*D184 Withdrawn 1940; Specification for ASTM Thermometer; Replaced by E1*
**D185-07(2012)** Test Methods for Coarse Particles in Pigments, **06.03**
*D186 Withdrawn 1940; Methods of Chemical Analysis of White Pigments; Combined with D 34*
**D187-08(2013)** Test Method for Burning Quality of Kerosine, **05.01**
*D188 Withdrawn 1943; Methods of Test for Neutralization of Acid And Base Members by Potentiometric Titration; Replaced by D664, D974*
**D189-06(2010)$^{\epsilon 1}$** Test Method for Conradson Carbon Residue of Petroleum Products, **05.01**
*D190 Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Water-Bound Macadam Base and Surface Courses of Pavements; Replaced by D693*
*D191 Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Waterbound Macadam Base and Surface Courses of Pavements; Replaced by D693*
*D192 Withdrawn 1943; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*
*D193 Withdrawn 1939; Specification for Broken and Crushed Slag Stone for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*
*D194 Withdrawn 1939; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*
*D195 Withdrawn 1939; Specification for Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements; Replaced by D693*
*D196 Withdrawn 1939; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*
**D197-87(2012)** Test Method for Sampling and Fineness Test of Pulverized Coal, **05.06**
**D198-14** Test Methods of Static Tests of Lumber in Structural Sizes, **04.10**
*D199 Withdrawn 1962; Methods for Chemical Analysis of Zinc Chloride*
*D200 Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing Damp-proofing and Waterproofing; Replaced by D450*
*D201 Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing Damp-proofing and Waterproofing; Replaced by D450*
**D202-08** Test Methods for Sampling and Testing Untreated Paper Used for Electrical Insulation, **10.01**
*D203 Withdrawn 1937; Methods of Testing Tolerances for Cotton Yarns*
**D204-02(2010)$^{\epsilon 1}$** Test Methods for Sewing Threads, **07.01**
*D205 Withdrawn 1955; Specification for Osnaburg Cement Sacks*
*D206 Withdrawn 1953; Abridged Volume Correction Table for Petroleum Oils; Replaced by D1250*

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*D207 Withdrawn 2000; Specification for Dry Bleached Lac*
*D208 Withdrawn 1940; Specification for Zinc Sulfide Pigments*
**D209-81(2012)** Specification for Lampblack Pigment, **06.03**
**D210-05(2011)** Specification for Bone Black Pigment, **06.03**
**D211-67(2012)** Specification for Chrome Yellow and Chrome Orange Pigments, **06.03**
*D212 Withdrawn 1994; Specification for Chrome Green Pigment*
*D213 Withdrawn 1940; Specification for Reduced Chrome Green*
*D214 Withdrawn 1929; Methods of Testing Shellac; Replaced by D29*
*D215 Withdrawn 2005; Practice for the Chemical Analysis of White Linseed Oil Paints*
*D216 Withdrawn 1988; Method for Distillation of Natural Gasoline; Replaced by D86*
**D217-10** Test Methods for Cone Penetration of Lubricating Grease, **05.01**
*D218 Withdrawn 1940; Methods of Test for Color of Lubricating Oil and Petroleum by Means of ASTM Union Colorimeter*
*D219 Withdrawn 1979; Method of Test for Burning Quality of Long-Time Burning Oil for Railway Use*
*D220 Withdrawn 1940; Method of Test for Moisture Equivalent of Soils*
*D221 Redesignated C121*
*D222 Redesignated C120*
*D223 Withdrawn 1940; Specification for Asphalt Mastic for Use in Waterproofing (Asphalt Cement, Mineral Filler, Mineral Aggregate)*
*D224 Withdrawn 2002; Specification for Smooth-Surfaced Asphalt Roll Roofing (Organic Felt); Replaced by D6380*
**D225** *Withdrawn 2012; Specification for Asphalt Shingles (Organic Felt) Surfaced With Mineral Granules*, **04.04**
**D226/D226M-09** Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing, **04.04**
**D227/D227M-03(2011)ε1** Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing, **04.04**
**D228/D228M-09ε2** Test Methods for Sampling, Testing, and Analysis of Asphalt Roll Roofing, Cap Sheets, and Shingles Used in Roofing and Waterproofing, **04.04**
**D229-13** Test Methods for Rigid Sheet and Plate Materials Used for Electrical Insulation, **10.01**
*D230 Withdrawn 1976; Specification for Numbered Cotton Duck and Army Duck*
*D231 Withdrawn 1981; Methods of Testing Tolerances for Knit Goods; Replaced by D3887*
*D232 Withdrawn 1943; Method of Test for Estimating Hard Scoured Wool in Wool in the Grease (Mill Scale Operations)*
**D233-12** Test Methods of Sampling and Testing Turpentine, **06.03**
*D234 Withdrawn 2007; Specification for Raw Linseed Oil*
**D235-02(2012)** Specification for Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent), **06.04**
*D236 Withdrawn 1934; Specification for Spirits of Distilled Wood Turpentine; Replaced by D13*
*D237 Withdrawn 2006; Specification for Orange Shellac and Other Lacs*
*D238 Withdrawn 1928; Method of Test for Specific Gravity of Pigments; Combined with D 153*
*D239 Withdrawn 1963; Method of Test for Burning Quality of Mineral Seal Oil*
**D240-09** Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter, **05.01**
*D241 Withdrawn 1977; Specification for Asphalt Filler for Brick Pavements*
**D242/D242M-09** Specification for Mineral Filler For Bituminous Paving Mixtures, **04.03**
**D243-08** Test Method for Residue of Specified Penetration, **04.03**
**D244-09** Test Methods and Practices for Emulsified Asphalts, **04.03**
**D245-06(2011)** Practice for Establishing Structural Grades and Related Allowable Properties for Visually Graded Lumber, **04.10**
*D246 Withdrawn 2006; Test Method for Distillation of Creosote and Creosote-Coal Tar Solutions*
*D247 Redesignated C119*
*D248 Withdrawn 1943; Specification for Asphalt Roofing Surfaced with Fine Mineral Granules*
*D249 Withdrawn 2002; Specification for Asphalt Roll Roofing (Organic Felt) Surfaced with Mineral Granules; Replaced by D6380*
*D250 Withdrawn 1991; Specification for Asphalt-Saturated Asbestos Felt Used in Roofing and Waterproofing*
*D251 Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing, Dampproofing, and Waterproofing; Replaced by D450*
*D252 Withdrawn 1938; Specification for Coal-Tar Pitch for Roofing, Dampproofing, and Waterproofing; Replaced by D450*
*D253 Withdrawn 1928; Specification for Light-Body Coal-Tar or Water-Gas-Tar Protective Coating with Solvent Vehicle, for Cold Application, for Damp-proofing Masonry Structures*
*D254 Withdrawn 1928; Specification for Heavy-Body Coal-Tar or Water-Gas-Tar Protective Coating with Solvent Vehicle, for Cold Application, for Dampproofing Masonry Structures*
*D255 Withdrawn 2000; Method for Steam Distillation of Bituminous Protective Coatings*
**D256-10** Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics, **08.01**
**D257-07** Test Methods for DC Resistance or Conductance of Insulating Materials, **10.01**
*D258 Withdrawn 1956; Methods of Testing Spun and Filament Yarns Made Wholly or in Part of Man-Made Organic Base Fiber*
*D259 Withdrawn 1989; Specification for Woven Tapes*
*D260 Withdrawn 2007; Specification for Linseed Oil*
*D261 Withdrawn 2006; Specification for Iron Blue Pigment*
*D262 Withdrawn 2006; Specification for Ultramarine Blue Pigment*
**D263-05(2011)** Specification for Chrome Oxide Green Pigment, **06.03**
*D264 Withdrawn 1949; Specification for Pure Para Red Toner; Replaced by D475*
*D265 Withdrawn 1935; Specification for Titanium Barium Pigment; Replaced by D476*
*D266 Withdrawn 1949; Specification for Aluminum Pigments Powder and Paste for Paints; Replaced by D962*
**D267-82(2008)ε1** Specification for Gold Bronze Powder, **06.03**
**D268-01(2012)** Guide for Sampling and Testing Volatile Solvents and Chemical Intermediates for Use in Paint and Related Coatings and Material, **06.04**
**D269-97(2011)** Test Method for Insoluble Matter in Rosin and Rosin Derivatives, **06.03**
*D270 Withdrawn 1984; Methods of Sampling Petroleum and Petroleum Products; Replaced by D4057, D4177*
*D271 Withdrawn 1974; Methods of Laboratory Sampling and Analysis of Coal and Coke; Replaced by D3176, D3180*
*D272 Withdrawn 1941; Methods of Analysis of Roofing Felt for Fiber Composition*
*D273 Withdrawn 1973; Methods of Test for Conducting Paths in Electrical Slate*
*D274 Withdrawn 1967; Tolerances for Certain Light and Medium Weight Cotton Fabrics*
*D275 Withdrawn 1942; Methods of Test for Cuban (Jute) Raw Sugar Bags*
**D276-12** Test Methods for Identification of Fibers in Textiles, **07.01**
*D277 Withdrawn 1948; Specification for Mercuric Oxide for Use in Anti-Fouling [aints (Dry Cuprous Oxide, Dry Mercuric Oxide); Replaced by D911, D912*
*D278 Withdrawn 1953; Method of Test for Common Properties of Certain Pigments; Replaced by D1208*
**D279-02(2012)** Test Methods for Bleeding of Pigments, **06.03**
**D280-01(2012)** Test Methods for Hygroscopic Moisture (and Other Matter Volatile Under the Test Conditions) in Pigments, **06.03**
**D281-12** Test Method for Oil Absorption of Pigments by Spatula Rub-out, **06.01**
*D282 Withdrawn 1930; Methods of Test for Mass Color and Tinting Strength of Pigments*
*D283 Withdrawn 2008; Test Methods for Chemical Analysis of Cuprous Oxide and Copper Pigments*
*D284 Withdrawn 2003; Test Methods for Chemical Analysis of Mercuric Oxide Pigment*
*D285 Withdrawn 1986; Method of Test for Distillation of Crude Petroleum*
*D286 Withdrawn 1967; Method of Test for Autogenous Ignition Temperatures of Petroleum Products*
**D287-12b** Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method), **05.01**
*D288 Withdrawn 1981; Definition of Terms Relating to Petroleum*
*D289 Withdrawn 1972; Method of Test for Abrasion of Graded Coarse Aggregates by Use of the Deval Machine; Replaced by C131, C535*
*D290 Withdrawn 2000; Practice for Bituminous Mixing Plant Inspection*
**D291-07(2012)** Test Method for Cubic Foot Weight of Crushed Bituminous Coal, **05.06**
*D292 Withdrawn 1986; Method of Test for Cubic Foot Weight of Coke*
**D293-93(2010)** Test Method for the Sieve Analysis of Coke, **05.06**
*D294 Withdrawn 1976; Method of Test for Tumbler Test for Coke; Replaced by D3402*
**D295-12** Test Methods for Varnished Cotton Fabrics Used for Electrical Insulation, **10.01**
*D296 Withdrawn 1984; Specification for Rubber-Lined Fire Hose with Woven Jacket*
**D297-13** Test Methods for Rubber Products—Chemical Analysis, **09.01**
*D298 Withdrawn 1938; Specification for 23/5/3 Carded American Tire Cord*
**D299/D299M-04(2009)ε1** Specification for Asbestos Yarns, **04.05**
*D300 Withdrawn 1940; Specification for ASTM Thermometers; Replaced by E1*
*D301 Withdrawn 2011; Test Methods for Soluble Cellulose Nitrate*
*D302 Withdrawn 1987; Specification for Ethyl Acetate (85 to 88% Grade); Replaced by D4614*
*D303 Withdrawn 1987; Specification for n-Butyl Acetate (90 to 92% Grade); Replaced by D4615*
**D304-11** Specification for n-Butyl Alcohol (Butanol), **06.04**
**D305-84(2008)** Test Method for Solvent-Extractable Material in Black Pigments, **06.03**
*D306 Withdrawn 1939; Method of Sampling and Testing Aluminum Powder and Paste; Replaced by D480*
*D307 Withdrawn 1968; Method of Test for Spectral Characteristics and Color of Objects and Materials; Replaced by E308*
*D308 Withdrawn 1940; Method of Test for Oil Content of Petroleum Waxes; Replaced by D721*
*D309 Withdrawn 1943; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*
*D310 Withdrawn 1988; Test Method for Size of Anthracite; Replaced by D4749*
*D311 Withdrawn 1988; Method for Sieve Analysis of Crushed Bituminous Coal; Replaced by D4749*
**D312-00(2006)** Specification for Asphalt Used in Roofing, **04.04**
*D313 Withdrawn 1982; Method of Test for Coarse Particles in Mixtures of Asphalt and Mineral Matter*

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*D314 Withdrawn 1970; Method of Test for Hardness of Rubber; Replaced by D1415*
**D315/D315M-95(2009)ε1** Specification for Woven Asbestos Tape, **04.05**
*D316 Withdrawn 1938; Methods of Test for Chafer Tire Fabrics Other Than Cord Fabrics*
*D317 Withdrawn 1956; Specification for Oil Putty for Glazing*
*D318 Withdrawn 1976; Specification for Amyl Acetate (Synthetic) (85 to 88% grade)*
*D319 Withdrawn 2010; Specification for Amyl Alcohol (Synthetic)*
*D320 Withdrawn 1953; Specification for Butyl Propionate (90 to 93% grade)*
*D321 Withdrawn 1953; Specification for Ethyl Lactate (Synthetic)*
**D322-97(2012)** Test Method for Gasoline Diluent in Used Gasoline Engine Oils by Distillation, **05.01**
**D323-08** Test Method for Vapor Pressure of Petroleum Products (Reid Method), **05.01**
*D324 Withdrawn 1964; Definitions of Terms Relating to Timber Preservatives*
*D325 Withdrawn 1945; Method of Test for Comparing Thermal Conductivities of Solid Electrical Insulating Materials*
*D326 Withdrawn 1935; Method of Compression Testing of Natural Building Stone*
*D327 Redesignated C99*
*D328 Redesignated C97*
**D329-07(2013)** Specification for Acetone, **06.04**
**D330-07(2013)** Specification for 2-Butoxyethanol, **06.04**
**D331-11** Specification for 2-Ethoxyethanol, **06.04**
**D332-87(2011)** Test Method for Relative Tinting Strength of White Pigments by Visual Observation, **06.01**
**D333-01(2013)** Guide for Clear and Pigmented Lacquers, **06.02**
*D334 Withdrawn 1967; Methods of Test for Cotton Goods for Rubber and Pyroxylin Coating*
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*D336 Withdrawn 1938; Methods of Test for Tire Fabrics Other Than Cord Fabrics*
*D337 Redesignated E337*
*D338 Withdrawn 1935; Method of Test for Modulus of Elasticity of Natural Building Stone*
*D339 Withdrawn 1935; Method of Shear Testing of Natural Building Stone*
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**D341-09** Practice for Viscosity-Temperature Charts for Liquid Petroleum Products, **05.01**
*D342 Withdrawn 1936; Specification for Acetate Ester of Ethylene Glycol Monoethyl Ether (90 to 91% Grade)*
*D343 Withdrawn 1982; Specification for 2-Ethoxyethyl Acetate (95% Grade)*
**D344-11** Test Method for Relative Hiding Power of Paints by the Visual Evaluation of Brushouts, **06.01**
**D345-02(2010)** Test Method for Sampling and Testing Calcium Chloride for Roads and Structural Applications, **04.03**
**D346/D346M-11** Practice for Collection and Preparation of Coke Samples for Laboratory Analysis, **05.06**
*D347 Withdrawn 2006; Tables for Volume and Specific Gravity Correction for Creosote, Creosote-Coal Tar Solutions, and Coal Tar*
**D348-13** Test Methods for Rigid Tubes Used for Electrical Insulation, **10.01**
**D349-13** Test Methods for Laminated Round Rods Used for Electrical Insulation, **10.01**
**D350-13** Test Methods for Flexible Treated Sleeving Used for Electrical Insulation, **10.01**
**D351-14** Classification for Natural Muscovite Block Mica and Thins Based on Visual Quality, **10.01**
**D352-97(2008)ε1** Test Methods for Pasted Mica Used in Electrical Insulation, **10.01**
*D353 Withdrawn 1995; Specification for Natural Rubber Insulation for Wire and Cable, 60°C Operation*
*D354 Withdrawn 1967; Methods of Testing Tolerances for Tubular Sleeving and Braids*
*D355 Withdrawn 1936; Method of Sampling Natural Building Stone and Sample for Testing*
*D356 Withdrawn 1935; Method of Tension Testing of Natural Building Stone and Sample for Testing*
*D357 Withdrawn 1970; Method of Test for Knock Characteristics of Motor Fuels Below 100 Octane Number by the Motor Method; Replaced by D2700*
**D358-98(2012)ε1** Specification for Wood to Be Used as Panels in Weathering Tests of Coatings, **06.02**
*D359 Withdrawn 1940; Specification for Shellac Varnish; Replaced by D360*
**D360-12** Specification for Shellac Varnishes, **06.03**
*D361 Withdrawn 1968; Specification for Industrial 90 Benzene*
*D362 Withdrawn 1991; Specification for Industrial Grade Toluene*
*D363 Withdrawn 2005; Specification for Tricresyl Phosphate*
*D364 Withdrawn 1982; Specification for Industrial Grade Xylene*
**D365-01(2011)** Guide for Soluble Nitrocellulose Base Solutions, **06.02**
*D366 Withdrawn 1938; Specification for Concrete for Pavements*
*D367 Withdrawn 2006; Test Method for Xylene-Insoluble Matter in Creosote*
*D368 Withdrawn 2006; Test Method for Specific Gravity of Creosote and Oil-Type Preservatives*
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**D374M-13** Test Methods for Thickness of Solid Electrical Insulation (Metric), **10.01**
**D375/D375M-95(2009)ε1** Specification for Asbestos Roving, **04.05**
*D376 Withdrawn 1976; Methods of Test for Holland Cloth*
*D377 Withdrawn 1976; Methods of Test for Small Amounts of Copper and Manganese in Textiles*
**D378-10** Test Methods for Rubber (Elastomeric) Conveyor Belting, Flat Type, **09.02**
*D379 Withdrawn 1938; Methods of Test for Rubber Hose; Replaced by D380*
**D380-94(2012)** Test Methods for Rubber Hose, **09.02**
**D381-12** Test Method for Gum Content in Fuels by Jet Evaporation, **05.01**
*D382 Withdrawn 1940; Specification for Titanium Barium Pigment; Replaced by D476*
*D383 Withdrawn 1940; Specification for Titanium Calcium Pigment; Replaced by D476*
*D384 Withdrawn 1939; Specification for Titanium Dioxide; Replaced by D476*
*D385 Withdrawn 1940; Specification for Zinc Sulfate Pigment; Replaced by D477*
*D386 Withdrawn 1940; Specification for Zinc Oxide; Replaced by D477*
**D387-00(2008)** Test Method for Color and Strength of Chromatic Pigments with a Mechanical Muller, **06.01**
**D388-12** Classification of Coals by Rank, **05.06**
*D389 Withdrawn 1963; Specification for Classification of Coals by Grade*
*D390 Withdrawn 2006; Specification for Coal-Tar Creosote for the Preservative Treatment of Piles, Poles, and Timbers of Marine, Land, and Fresh Water Use*
*D391 Withdrawn 2006; Specification for Creosote-Coal Tar Solution*
*D392 Withdrawn 1963; Methods of Testing Molding Powders Used in Manufacturing Molded Electrical Insulators*
*D393 Withdrawn 1938; Specification for Insulated Wire and Cable: Class A, 30% Heavy Rubber Compound*
*D394 Withdrawn 1970; Method of Test for Abrasion Resistance of Rubber Compounds*
**D395-03(2008)** Test Methods for Rubber PropertyCompression Set, **09.01**
**D396-13b** Specification for Fuel Oils, **05.01**
*D397 Withdrawn 1951; Specification for Emulsified Asphalt; Replaced by D977*
*D398 Withdrawn 1950; Specification for Emulsified Asphalt; Replaced by D977*
*D399 Withdrawn 1950; Specification for Emulsified Asphalt; Replaced by D977*
*D400 Withdrawn 1937; Specification for Emulsified Asphalt (Heavy Premix-Winter Grade)*
*D401 Withdrawn 1949; Specification for Emulsified Asphalt; Replaced by D977*
**D402-08** Test Method for Distillation of Cutback Asphaltic (Bituminous) Products, **04.03**
*D403 Withdrawn 1953; Methods of Testing and Tolerances for Yarns Containing Wool; Replaced by D1285*
*D404 Withdrawn 1953; Methods of Testing and Tolerances for Yarns Containing Wool; Replaced by D1285*
*D405 Withdrawn 1982; Specification for Blue Lead; Basic Sulfate*
*D406 Withdrawn 1961; Method of Test for Relative Dry Hiding Power of White Pigments in Linseed Oil Vehicle*
*D407 Withdrawn 1977; Definitions of Terms Relating to Gross Calorific Value and Net Calorific Value of Solid and Liquid Fuels; Replaced by D121*
*D408 Withdrawn 1951; Method of Test for Grindability of Coal by the Ball-Mill Method*
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*D410 Withdrawn 1988; Method for Sieve Analysis of Coal*
*D411 Withdrawn 2013; Test Methods for Shellac Used for Electrical Insulation*
**D412-06a(2013)** Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension, **09.01**
**D413-98(2013)** Test Methods for Rubber Property—Adhesion to Flexible Substrate, **09.01**
*D414 Withdrawn 1955; Methods of Testing Cotton Fibers; Replaced by D1440, D1441, D1285, D1442, D1445, D1447, D1448*
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*D416 Withdrawn 1962; Methods of Test for Dimensional Changes in Laundering of Fabrics Woven or Partially of Man-Made Organic Base Fibers*
*D417 Withdrawn 1937; Method of Test for Vapor Pressure of Petroleum Products; Replaced by D323*
*D418 Withdrawn 1998; Test Methods for Testing Pile Yarn Floor Covering Construction*
*D419 Withdrawn 1981; Specification for Test for Fineness of Wool; Replaced by D3991*
*D420 Withdrawn 2011; Guide to Site Characterization for Engineering Design and Construction Purposes*
**D421-85(2007)** Practice for Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants, **04.08**
**D422-63(2007)ε1** Test Method for Particle-Size Analysis of Soils, **04.08**
*D423 Withdrawn 1983; Method of Test for Liquid Limit of Soils; Replaced by D4318*
*D424 Withdrawn 1983; Method of Test for Plastic Limit and Plasticity Index of Soils; Replaced by D4318*
**D425-88(2008)** Test Method for Centrifuge Moisture Equivalent of Soils, **04.08**

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*D426 Withdrawn 1959; Method of Test for Field Moisture Equivalent of Soils*
*D427 Withdrawn 2008; Test Method for Shrinkage Factors of Soils by the Mercury Method*
*D428 Withdrawn 1940; Methods of Test for Accelerated Aging of Vulcanized Rubber by the Oven Method; Replaced by D572, D573*
**D429-14** Test Methods for Rubber Property—Adhesion to Rigid Substrates, **09.01**
**D430-06(2012)** Test Methods for Rubber Deterioration—Dynamic Fatigue, **09.01**
*D431 Withdrawn 1988; Method for Designating the Size of Coal from Its Sieve Analysis; Replaced by D4749*
*D432 Withdrawn 1961; Specification for Zinc Chloride*
*D433 Withdrawn 1966; Methods of Testing and Tolerances for Certain Carded Gray Goods*
*D434 Withdrawn 2003; Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam*
*D435 Withdrawn 1958; Method of Test for Color Fastness to Commercial Laundering and to Domestic Washing of Cotton and Textiles*
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*D437 Withdrawn 1962; Method of Test for Shrinkage in Laundering of Woven Cotton Cloth*
*D438 Withdrawn 1938; Method of Test for Saponification Number of Petroleum Products by Color-Indicator Titration; Replaced by D94*
*D439 Withdrawn 1991; Specification for Automotive Gasoline*
**D440-07(2012)** Test Method of Drop Shatter Test for Coal, **05.06**
**D441-07(2012)** Test Method of Tumbler Test for Coal, **05.06**
*D442 Withdrawn 1939; Specification for Titanium-Magnesium Pigment; Replaced by D476*
*D443 Withdrawn 1939; Specification for Zinc Sulfate Pigment*
**D444-88(2008)** Test Methods for Chemical Analysis of Zinc Yellow Pigment (Zinc Chromate Yellow), **06.03**
**D445-12** Test Method for Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity), **05.01**
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*D447 Withdrawn 1998; Test Method for Distillation of Plant Spray Oils*
**D448-12** Classification for Sizes of Aggregate for Road and Bridge Construction, **04.03**
**D449/D449M-03(2014)$^{\epsilon 1}$** Specification for Asphalt Used in Dampproofing and Waterproofing, **04.04**
**D450/D450M-07(2013)$^{\epsilon 1}$** Specification for Coal-Tar Pitch Used in Roofing, Dampproofing, and Waterproofing, **04.04**
**D451/D451M-91(2013)$^{\epsilon 1}$** Test Method for Sieve Analysis of Granular Mineral Surfacing For Asphalt Roofing Products, **04.04**
**D452/D452M-91(2013)$^{\epsilon 1}$** Test Method for Sieve Analysis of Surfacing for Asphalt Roofing Products, **04.04**
*D453 Withdrawn 2006; Test Method for Tar Acids in Creosote-Coal Tar Solutions*
**D454-04(2010)** Test Method for Rubber Deterioration by Heat and Air Pressure, **09.01**
*D455 Withdrawn 2000; Specification for Milled Toilet Soap*
*D456 Withdrawn 2001; Specification for Caustic Soda (Anhydrous)*
*D457 Withdrawn 2001; Specification for Modified Soda (Sesquicarbonate Type)*
*D458 Withdrawn 2001; Specification for Soda Ash*
**D459-09** Terminology Relating to Soaps and Other Detergents, **15.04**
**D460-91(2014)** Test Methods for Sampling and Chemical Analysis of Soaps and Soap Products, **15.04**
*D461 Withdrawn 2003; Test Methods for Felt*
*D462 Withdrawn 1977; Methods of Testing and Tolerances for Certain Wool and Part Wool Fabrics*
*D463 Withdrawn 1947; Method of Test for Volumetric Determination of Small Amounts of Copper in Textiles*
**D464-05(2010)** Test Methods for Saponification Number of Naval Store Products Including Tall Oil and Other Related Products, **06.03**
**D465-05(2010)** Test Methods for Acid Number of Naval Stores Products Including Tall Oil and Other Related Products, **06.03**
*D466 Withdrawn 1999; Test Methods for Films Deposited From Bituminous Emulsions*
*D467 Withdrawn 1951; Specification for Laminated Thermosetting Materials; Replaced by D709*
*D468 Withdrawn 1962; Methods of Testing Pin-Type, Lime-Glass Insulators; Combined with D 116*
*D469 Withdrawn 1995; Specification for Natural Rubber Heat-Resisting Insulation for Wire And Cable, 75°C Operation*
**D470-13** Test Methods for Crosslinked Insulations and Jackets for Wire and Cable, **10.01**
**D471-12a** Test Method for Rubber Property—Effect of Liquids, **09.01**
*D472 Withdrawn 1981; Specification for Fineness of Wool Top and Assignment of Grade; Replaced by D3992*
**D473-07(2012)** Test Method for Sediment in Crude Oils and Fuel Oils by the Extraction Method, **05.01**
*D474 Withdrawn 1948; Specification for Aluminum Powder and Paste for Paints; Replaced by D962*
*D475 Withdrawn 2003; Specification for Pure Para Red Toner Pigment*
**D476-13** Classification for Dry Pigmentary Titanium Dioxide Products, **06.03**
*D477 Withdrawn 1987; Specification for Zinc Sulfide Pigments*
**D478-02(2012)** Specification for Zinc Yellow (Zinc Chromate) Pigments, **06.03**
*D479 Withdrawn 1984; Method of Test for Reactivity of Paint Liquids*
**D480-88(2008)** Test Methods for Sampling and Testing of Flaked Aluminum Powders and Pastes, **06.03**
*D481 Withdrawn 1949; Method of Test for Acid Heat of Gasoline*
**D482-13** Test Method for Ash from Petroleum Products, **05.01**
**D483-04(2009)$^{\epsilon 1}$** Test Method for Unsulfonated Residue of Petroleum Plant Spray Oils, **05.01**
*D484 Withdrawn 1983; Specification for Hydrocarbon Dry Cleaning Solvents; Replaced by D235*
*D485 Withdrawn 1942; Specification for Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements; Replaced by D692*
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*D488 Withdrawn 1942; Specification for Crushed Stone, Crushed Slag and Gravel for Waterbound Base and Surface Courses of Pavements*
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**D490-92(2011)** Specification for Road Tar, **04.03**
*D491 Withdrawn 1990; Specification for Asphalt Mastic Used in Waterproofing*
*D492 Withdrawn 1971; Method of Sampling Coals Classified According to Ash Content*
*D493 Withdrawn 1969; Definitions of Terms Relating to Commercial Varities of Bituminous and Subbituminous Coals; Replaced by D2796*
**D494-11** Test Method for Acetone Extraction of Phenolic Molded or Laminated Products, **08.01**
*D495 Withdrawn 2013; Test Method for High-Voltage, Low-Current, Dry Arc Resistance of Solid Electrical Insulation*
*D496 Withdrawn 2000; Specification for Chip Soap*
*D497 Withdrawn 2000; Specification for Ordinary Laundry Bar Soap*
*D498 Withdrawn 2000; Specification for Powdered Soap (Nonalkaline Soap Powder)*
*D499 Withdrawn 2000; Specification for White Floating Toilet Soap*
**D500-95(2009)** Test Methods of Chemical Analysis of Sulfonated and Sulfated Oils, **15.04**
**D501-03(2009)** Test Methods of Sampling and Chemical Analysis of Alkaline Detergents, **15.04**
**D502-89(2009)** Test Method for Particle Size of Soaps and Other Detergents, **15.04**
*D503 Withdrawn 1950; Specification for Bleached Wide Cotton Sheeting*
*D504 Withdrawn 1951; Specification for Single-Ply Bleached Cotton Broadcloth*
*D505 Withdrawn 1951; Specification for Terry (Turkish) Toweling*
*D506 Withdrawn 1958; Method of Test for Colorfastness to Light Textiles*
*D507 Withdrawn 1955; General Methods of Testing and Tolerances for Spun Rayon Yarns and Threads*
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**D509-05(2011)$^{\epsilon 1}$** Test Methods of Sampling and Grading Rosin, **06.03**
*D510 Withdrawn 1975; Methods for Sampling Industrial Water; Replaced by D3370*
**D511-09** Test Methods for Calcium and Magnesium In Water, **11.01**
**D512-12** Test Methods for Chloride Ion In Water, **11.01**
**D513-11$^{\epsilon 1}$** Test Methods for Total and Dissolved Carbon Dioxide in Water, **11.01**
*D514 Withdrawn 1996; Test Method for Hydroxide Ion in Water*
*D515 Withdrawn 1998; Test Methods for Phosphorus in Water*
**D516-11** Test Method for Sulfate Ion in Water, **11.01**
**D517-98(2008)** Specification for Asphalt Plank, **04.03**
*D518 Withdrawn 2008; Test Method for Rubber Deterioration—Surface Cracking; Replaced by D1149*
**D519-04(2013)** Test Method for Length of Fiber in Wool Top, **07.01**
**D520-00(2011)** Specification for Zinc Dust Pigment, **06.03**
**D521-02(2012)** Test Methods for Chemical Analysis of Zinc Dust (Metallic Zinc Powder), **06.03**
**D522-93a(2008)** Test Methods for Mandrel Bend Test of Attached Organic Coatings, **06.01**
**D523-08** Test Method for Specular Gloss, **06.01**
**D524-10** Test Method for Ramsbottom Carbon Residue of Petroleum Products, **05.01**
**D525-12a** Test Method for Oxidation Stability of Gasoline (Induction Period Method), **05.01**
*D526 Withdrawn 1976; Method of Test for Tetraethyl-Lead in Gasoline*
*D527 Withdrawn 1974; Method of Test for Bulking Thickness of Paper*
*D528 Withdrawn 2010; Test Method for Machine Direction of Paper and Paperboard*
*D529 Withdrawn 2013; Practice for Enclosed Carbon-Arc Exposures of Bituminous Materials*
*D530 Withdrawn 1989; Methods of Testing Hard Rubber Products*
**D531-00(2010)** Test Method for Rubber Property—Pusey and Jones Indentation, **09.01**
*D532 Withdrawn 1996; Specification for Natural Rubber Jacket for Wire and Cable*
*D533 Withdrawn 2000; Specification for Built Soap, Powdered*
*D534 Withdrawn 2000; Specification for Alkaline Soap Powder*
*D535 Withdrawn 1959; Specification for Palm Oil Solid Soap (Type A, Straight; Type B, Blended)*

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*D540 Withdrawn 1974; Methods of Testing Man-Made Staple Fibers; Replaced by D3660*
*D541 Withdrawn 1996; Specification for Single Jute Yarn*
**D542-14** Test Method for Index of Refraction of Transparent Organic Plastics, **08.01**
**D543-06** Practices for Evaluating the Resistance of Plastics to Chemical Reagents, **08.01**
*D544 Withdrawn 1961; Specification for Preformed Expansion Joint Fillers for Concrete (Nonextruding and Resilient Types); Replaced by D1751, D1752*
**D545-08** Test Methods for Preformed Expansion Joint Fillers for Concrete Construction (Nonextruding and Resilient Types), **04.03**
**D546-10** Test Method for Sieve Analysis of Mineral Filler for Bituminous Paving Mixtures, **04.03**
*D547 Withdrawn 1987; Test Method for Index of Dustiness of Coal and Coke*
*D548 Withdrawn 2009; Test Method for Water-Soluble Acidity or Alkalinity of Paper*
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*D550 Withdrawn 1958; Methods of Testing Glass Spool Insulators*
*D551 Withdrawn 1966; Method of Measuring Shrinkage from Mold Dimensions of Molded Materials Used for Electrical Insulation*
*D552 Withdrawn 1950; Method of Test for Cellular Rubber Products; Replaced by D1055, D1056*
*D553 Withdrawn 1966; Methods of Test for Viscosity and Total Solids Content of Rubber Cements; Replaced by D1084*
*D554 Withdrawn 1982; Specification for Amyl Acetate Made from Fusel Oil (85 to 88% Grade)*
*D555 Withdrawn 2007; Guide for Testing Drying Oils*
*D556 Withdrawn 1953; Specification for Materials for Soil-Aggregate Subbase, Base and Surface Courses; Replaced by D1241*
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**D558-11** Test Methods for Moisture-Density (Unit Weight) Relations of Soil-Cement Mixtures, **04.08**
**D561-82(2008)** Specification for Carbon Black Pigment for Paint, **06.03**
**D562-10** Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer, **06.01**
*D563 Withdrawn 2004; Test Method for Phthalic Anhydride Content of Alkyd Resins and Resin Solutions*
**D564-87(2008)** Test Methods for Liquid Paint Driers, **06.01**
**D565-99(2013)** Test Method for Carbonizable Substances in White Mineral Oil, **05.01**
**D566-02(2009)** Test Method for Dropping Point of Lubricating Grease, **05.01**
*D567 Withdrawn 1967; Method for Calculating Viscosity Index; Replaced by D2270*
*D568 Withdrawn 1991; Test Method for Rate of Burning and/or Extent and Time of Burning of Flexible Plastics in a Vertical Position*
*D569 Withdrawn 1995; Method for Measuring the Flow Properties of Thermoplastic Molding Materials*
**D570-98(2010)$^{\epsilon 1}$** Test Method for Water Absorption of Plastics, **08.01**
*D571 Withdrawn 1982; Methods of Testing Rubber Hose for Automotive Hydraulic Brake System*
**D572-04(2010)** Test Method for RubberDeterioration by Heat and Oxygen, **09.01**
**D573-04(2010)** Test Method for Rubber—Deterioration in an Air Oven, **09.01**
*D574 Withdrawn 1984; Specification for Ozone-Resisting Insulation for Wire and Cable*
**D575-91(2012)** Test Methods for Rubber Properties in Compression, **09.01**
*D576 Withdrawn 1949; Specification for All Wool, All Cotton, and Wool and Cotton Blanketing (Household)*
*D577 Withdrawn 1958; Methods of Testing Woven Asbestos Cloth*
**D578/D578M-05(2011)$^{\epsilon 1}$** Specification for Glass Fiber Strands, **07.01**
**D579/D579M-10** Specification for Greige Woven Glass Fabrics, **07.01**
**D580/D580M-10** Specification for Greige Woven Glass Tapes and Webbings, **07.01**
**D581/D581M-12** Specification for Glass Fiber Greige Braided Tubular Sleeving, **07.01**
*D582 Withdrawn 1958; Methods of Test for Resistance of Textile Fabrics and Yarns to Insect Pests*
*D583 Withdrawn 1972; Methods of Test for Water Resistance of Textile Fabrics*
**D584-10** Test Method for Wool Content of Raw Wool—Laboratory Scale, **07.01**
*D585 Withdrawn 2010; Practice for Sampling and Accepting a Single Lot of Paper, Paperboard, Fiberboard, and Related Product*
*D586 Withdrawn 2009; Test Method for Ash in Pulp, Paper, and Paper Products*
*D587 Withdrawn 1982; Method of Test for Casein in Paper (Qualitative)*
*D588 Withdrawn 1980; Method of Test for Alpha, Beta, and Gamma-Cellulose in Paper*
*D589 Withdrawn 2010; Test Method for Opacity of Paper (15° Diffuse Illuminant A, 89 % Reflectance Backing and Paper Backing)*
*D590 Withdrawn 2009; Test Method for Petroleum Wax in Paper*
*D591 Withdrawn 1982; Method of Test for Starch in Paper*
*D592 Withdrawn 1959; Specification for Olive Oil Solid Soap (Type A, Straight; Type B, Blended)*
*D593 Withdrawn 1975; Specification for Salt-Water Soap (Coconut Oil Type)*
*D594 Withdrawn 2001; Specification for Sodium Sesquisilicate*
*D595 Withdrawn 2001; Specification for Tetrasodium Pyrophosphate (Anhydrous)*
**D596-01(2011)** Guide for Reporting Results of Analysis of Water, **11.01**
*D597 Withdrawn 1965; Specification for Cut-Back Asphalt (Rapid Curing Type); Replaced by D2028*
*D598 Withdrawn 1965; Specification for Cut-Back Asphalt (Medium Curing Type); Replaced by D2027*
*D599 Withdrawn 1967; Method of Test for Physical State of Cure of Vulcanized Rubber (T-50 Test)*
**D600-07(2012)** Specification for Liquid Paint Driers, **06.04**
*D601 Withdrawn 2007; Specification for Oiticica Oil (Permanently Liquid)*
**D602-81(2012)** Specification for Barium Sulfate Pigments, **06.03**
*D603 Withdrawn 2004; Specification for Aluminum Silicate Pigments (Hydrous)*
*D604 Withdrawn 2003; Specification for Diatomaceous Silica Pigment*
**D605-82(2012)** Specification for Magnesium Silicate Pigment (Talc), **06.03**
*D606 Withdrawn 1952; Specification for Lead Titanate*
**D607-82(2012)** Specification for Wet Ground Mica Pigments, **06.03**
**D608-05(2011)** Specification for Dibutyl Phthalate, **06.04**
**D609-00(2012)** Practice for Preparation of Cold-Rolled Steel Panels for Testing Paint, Varnish, Conversion Coatings, and Related Coating Products, **06.01**
**D610-08(2012)** Practice for Evaluating Degree of Rusting on Painted Steel Surfaces, **06.01**
**D611-12** Test Methods for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents, **05.01**
**D612-88(2012)** Test Method for Carbonizable Substances in Paraffin Wax, **05.01**
**D613-10a$^{\epsilon 1}$** Test Method for Cetane Number of Diesel Fuel Oil, **05.05**
*D614 Withdrawn 1971; Method of Test for Knock Characteristics of Aviation Fuels by the Aviation Method; Replaced by D2700*
*D615 Withdrawn 1944; Specification for Aviation Gasolines*
*D616 Withdrawn 1951; Specification for Laminated Thermosettings Materials; Replaced by D709*
*D617 Withdrawn 2003; Test Method for Punching Quality of Phenolic Laminated Sheets*
**D618-13** Practice for Conditioning Plastics for Testing, **08.01**
*D619 Withdrawn 2013; Test Methods for Vulcanized Fibre Used for Electrical Insulation*
*D620 Withdrawn 1965; Method of Test for Colorfastness of Plastics to Light*
*D621 Withdrawn 1994; Test Methods for Deformation of Plastics Under Load*
**D622-99(2012)** Test Methods for Rubber Hose for Automotive Air and Vacuum Brake System, **09.02**
**D623-07(2014)** Test Methods for Rubber Property—Heat Generation and Flexing Fatigue In Compression, **09.01**
**D624-00(2012)** Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers, **09.01**
*D625 Withdrawn 1949; Specification for Medium-Weight Cotton Corduroy Fabrics*
*D626 Withdrawn 1969; Specification for Fire-Retardant Properties of Treated Textile Fabrics*
*D627 Withdrawn 1958; Methods of Test for Evaluating Compounds Designed to Increase Resistance of Fabrics and Yarns to Insect Pests*
**D628/D628M-95(2009)$^{\epsilon 1}$** Specification for Asbestos Tubular Sleeving, **04.05**
**D629-08** Test Methods for Quantitative Analysis of Textiles, **07.01**
*D630 Withdrawn 1981; Specification for Olive Oil Chip Soap (Type A, Straight; Type B, Blended)*
*D631 Withdrawn 1950; Specification for Emulsified Asphalt; Replaced by D977*
**D632-12** Specification for Sodium Chloride, **04.03**
**D633-11** Volume Correction Table for Road Tar, **04.03**
*D634 Withdrawn 1963; Methods of Test for Product Uniformity of Phenolic Laminated Sheets*
**D635-10** Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position, **08.01**
*D636 Withdrawn 1960; Method of Test for Diffusion of Light by Plastics*
*D637 Withdrawn 1995; Test Method for Surface Irregularities of Flat Transparent Plastic Sheets*
**D638-10** Test Method for Tensile Properties of Plastics, **08.01**
*D638M Withdrawn 1996; Test Method for Tensile Properties of Plastics [Metric]*
*D639 Withdrawn 1989; Methods of Testing Battery Containers Made from Hard Rubber or Equivalent Materials*
*D640 Withdrawn 1952; Specification and Methods of Test for Concentrated Ammonia Preserved Creamed and Centrifuged Natural Rubber Latex; Replaced by D1076*
*D641 Withdrawn 1978; Method of Test for Conditioning Paperboard, Fiberboard, and Paperboard Containers for Testing; Replaced by D685*
**D642-00(2010)** Test Method for Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads, **15.10**
*D643 Withdrawn 2010; Test Method for Folding Endurance of Paper by the Schopper Tester*
*D644 Withdrawn 2010; Test Method for Moisture Content of Paper and Paperboard by Oven Drying*
*D645/D645M Withdrawn 2010; Test Method for Thickness of Paper and Paperboard*
**D646-13** Test Method for Mass Per Unit Area of Paper and Paperboard of Aramid Papers (Basis Weight), **07.01**

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*D647 Withdrawn 1994; Practice for Design of Molds for Test Specimens of Plastic Molding Materials; Replaced by D1896, D3419, D3641, D4703, D5227*
**D648-07** Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position, **08.01**
*D649 Withdrawn 1947; Method of Test for Compressive Strength of Electrical Insulating Materials; Replaced by D695*
*D650 Withdrawn 1948; Tentative Method of Test for Flexural Strength of Electrical Insulating Materials; Replaced by D790*
*D651 Withdrawn 1991; Test Method for Tensile Strength of Molded Electrical Insulating Materials*
*D652 Withdrawn 1957; Method of Test for Measuring Mica Stampings Used in Electronic Devices and Incandescent Lamps*
**D653-11** Terminology Relating to Soil, Rock, and Contained Fluids, **04.08**
*D654 Withdrawn 1958; Specification for Coal-Tar Pitch for Steep Built-Up Roofs*
*D655 Withdrawn 1971; Specification for Asphalt-Saturated and Coated Asbestos Felts for Use in Constructing Built-Up Roofs*
*D656 Withdrawn 2003; Specification for Pure Toluidine Red Toner*
*D657 Withdrawn 1979; Specification for Isopropyl Acetate*
*D659 Withdrawn 1990; Method of Evaluating Degree of Chalking of Exterior Paints; Replaced by D4214*
**D660-93(2011)** Test Method for Evaluating Degree of Checking of Exterior Paints, **06.01**
**D661-93(2011)** Test Method for Evaluating Degree of Cracking of Exterior Paints, **06.01**
**D662-93(2011)** Test Method for Evaluating Degree of Erosion of Exterior Paints, **06.01**
*D663 Withdrawn 1948; Tentative Method of Test for Acid and Base Value Numbers of Petroleum Oils by Color-Indictor Titration; Replaced by D974*
**D664-11a** Test Method for Acid Number of Petroleum Products by Potentiometric Titration, **05.01**
**D665-12** Test Method for Rust-Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water, **05.01**
*D666 Withdrawn 1964; Method for Conversion of Kinematic Viscosity to Saybolt Furol Viscosity; Replaced by D2161*
*D667 Withdrawn 1963; Methods of Testing Steatite Used as Electrical Insulation; Combined with D 116*
**D668-12** Test Methods of Measuring Dimensions of Rigid Rods and Tubes Used for Electrical Insulation, **10.01**
*D669 Withdrawn 2011; Test Method for Dissipation Factor and Permittivity Parallel with Laminations of Laminated Sheet and Plate Materials*
*D670 Withdrawn 1954; Methods of Test for Sludge Formatting in Mineral Transformer Oil*
*D671 Withdrawn 2002; Test Method for Flexural Fatigue of Plastics by Constant-Amplitude-of-Force*
*D672 Withdrawn 1951; Method of Test for Luminuous Reflectance, Transmittance, and Color of Materials*
*D673 Withdrawn 1998; Test Method for Mar Resistance of Plastics*
*D674 Withdrawn 1976; Recommended Practices for Long-Time Creep or Stress Relaxation of Plastics Under Tension or Compression at Different Temperatures; Replaced by D2990*
*D675 Withdrawn 1961; Nomenclature of Descriptive Terms Pertaining to Plastics; Combined with D 883*
*D676 Withdrawn 1965; Method of Test for Indentation of Rubber by Means of a Durometer; Replaced by D2240*
*D677 Withdrawn 1958; Specification for Woven Asbestos Cloth; Replaced by D1571*
*D678 Withdrawn 1947; Tentative Specifications for Finished, All-Cotton, Upholstery Tapestries*
*D679 Withdrawn 1966; Methods of Testing and Tolerances for Certain Fine Staple Cotton Gray Goods*
*D680 Withdrawn 1966; Methods of Testing and Tolerances for Certain All-Cotton and Rayon Fine Fancy Goods*
*D681 Withdrawn 2000; Specification for Jute Rove and Plied Yarn for Electrical and Packing Purposes*
*D682 Withdrawn 1958; Method of Test for Colorfastness of Dyed Acetate to Atmospheric Fumes*
*D683 Withdrawn 1961; Methods of Test for Identification of Finishes on Textiles*
*D684 Withdrawn 1958; Methods of Test for Resistance of Textile Materials to Microorganisms*
**D685-12** Practice for Conditioning Paper and Paper Products for Testing, **15.10**
*D686 Withdrawn 2011; Test Methods of Qualitative Examination of Mineral Filler and Mineral Coating of Paper*
*D687 Withdrawn 1973; Method for Quantitative Determination of Coating on Mineral-Coated Paper*
*D688 Withdrawn 1967; Method of Test for Pentosans in Paper*
*D689 Withdrawn 2009; Test Method for Internal Tearing Resistance of Paper*
*D690 Withdrawn 1981; Specification for Compound Chip Soap (with Rosin)*
*D691 Withdrawn 1981; Specification for Compound Powdered Soap (Granulated, with Rosin)*
**D692/D692M-09** Specification for Coarse Aggregate for Bituminous Paving Mixtures, **04.03**
*D693 Withdrawn 2008; Specification for Crushed Aggregate for Macadam Pavements*
*D694 Withdrawn 1977; Specification for Crushed Stone, Crushed Slag, and Crushed Gravel for Water-Bound Macadam Base Courses; Replaced by D693*
**D695-10** Test Method for Compressive Properties of Rigid Plastics, **08.01**
**D696-08ε1** Test Method for Coefficient of Linear Thermal Expansion of Plastics Between –30°C and 30°C with a Vitreous Silica Dilatometer, **08.01**
*D697 Withdrawn 1954; Method of Test for Water Vapor Permeability of Plastic Sheets; Replaced by E96*
**D698-12ε1** Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft3 (600 kN-m/m3)), **04.08**
*D699 Withdrawn 1978; Specification for Asphalt Sliding Organic Felt Surfaced with Mineral Granules*
*D700 Withdrawn 1991; Specification for Phenolic Molding Compounds*
*D701 Withdrawn 1982; Specification for Cellulose Nitrate (Pyroxylin) Plastic Sheets, Rods, and Tubes*
*D702 Withdrawn 1990; Specification for Cast Methacrylate Plastic Sheets*
*D703 Withdrawn 1987; Specification for Polystyrene Molding Compounds; Replaced by D4549*
**D704-99(2012)** Specification for Melamine-Formaldehyde Molding Compounds, **08.01**
**D705-99(2012)** Specification for Urea-Formaldehyde Molding Compounds, **08.01**
**D706-09** Classification System and Basis for Specifications for Cellulose Acetate Molding and Extrusion Compounds, **08.01**
**D707-09** Classification System and Basis for Specification for Cellulose Acetate Butyrate Molding and Extrusion Compounds, **08.01**
*D708 Withdrawn 1963; Specification for Vinyl Chloride Polymer and Copolymer Rigid Sheets*
**D709-13** Specification for Laminated Thermosetting Materials, **10.01**
**D710-13** Specification for Vulcanized Fibre Sheets, Rods, and Tubes Used for Electrical Insulation, **10.01**
**D711-10** Test Method for No-Pick-Up Time of Traffic Paint, **06.02**
*D712 Withdrawn 1958; Method of Test for Light Sensitivity of Traffic Paint*
**D713-12** Practice for Conducting Road Service Tests on Fluid Traffic Marking Materials, **06.02**
**D714-02(2009)** Test Method for Evaluating Degree of Blistering of Paints, **06.01**
**D715-86(2008)** Test Methods for Analysis of Barium Sulfate Pigment, **06.03**
**D716-86(2012)** Test Methods for Evaluating Mica Pigment, **06.03**
**D717-86(2008)** Test Methods for Analysis of Magnesium Silicate Pigment, **06.03**
**D718-86(2008)** Test Methods for Analysis of Aluminum Silicate Pigment, **06.03**
*D719 Withdrawn 2003; Test Methods for Analysis of Diatomaceous Silica Pigment*
**D720-91(2010)** Test Method for Free-Swelling Index of Coal, **05.06**
**D721-06(2011)** Test Method for Oil Content of Petroleum Waxes, **05.01**
*D722 Withdrawn 2010; Test Method for Grease Resistance of Paper*
*D723 Withdrawn 1985; Method of Test for Degree of Staining of Paper by Alkali*
*D724 Withdrawn 2009; Test Method for Surface Wettability of Paper (Angle-of-Contact Method)*
*D725 Withdrawn 1980; Method for Identification of Wire Side of Paper; Reinstated 1990 as D 5039*
*D726 Withdrawn 2009; Test Method for Resistance of Nonporous Paper to Passage of Air*
*D727 Withdrawn2011; Test Method for Kerosine Number of Roofing and Flooring Felt by the Vacuum Method*
*D728 Withdrawn 1963; Specification for Vinyl Chloride-Acetate, Molding Compound Resin*
*D729 Withdrawn 2000; Specification for Vinylidene Chloride Molding Compounds*
*D730 Withdrawn 1961; Specification for Low and Medium Voltage Pin-type Lime-Glass Insulators*
**D731-10** Test Method for Molding Index of Thermosetting Molding Powder, **08.01**
**D732-10** Test Method for Shear Strength of Plastics by Punch Tool, **08.01**
*D733 Redesignated F39*
*D734 Withdrawn 1963; Specification for Insulated Wire and Cable: Vinly Chloride Plastic Insulating Compound; Replaced by D2219, D2220*
*D735 Withdrawn 1968; Specification for Elastomer Compounds for Automotive Applications; Replaced by D2000*
*D736 Withdrawn 1966; Method of Test for Low-Temperature Brittleness of Rubber and Rubber-Like Materials*
**D737-04(2012)** Test Method for Air Permeability of Textile Fabrics, **07.01**
*D738 Withdrawn 1972; Methods of Testing and Tolerances for Rope Made from Bast and Leaf Fibers*
*D739 Withdrawn 1972; Methods of Testing and Tolerances for Spun, Twisted, or Braided Products Made from Flax, Hemp, Ramie or Mixtures Thereof*
**D740-11** Specification for Methyl Ethyl Ketone, **06.04**
*D741 Withdrawn 1972; Methods of Measuring Dimensions of Rigid Rods Used in Electrical Insulation; Replaced by D668*
*D742 Withdrawn 1956; Specification for Nonrigid Vinyl Chloride-Acetate Resin Plastics*
*D743 Withdrawn 1948; Specification for Nonrigid Ethyl Cellulose Plastics*
*D744 Withdrawn 1956; Specification for Nonrigid Vinyl Chloride Plastics*
*D745 Withdrawn 1950; Specification for Nonrigid Vinyl Butyral Plastics*
**D746-13** Test Method for Brittleness Temperature of Plastics and Elastomers by Impact, **08.01**
**D747-10** Test Method for Apparent Bending Modulus of Plastics by Means of a Cantilever Beam, **08.01**
**D748-00(2011)** Specification for Natural Block Mica and Mica Films Suitable for Use in Fixed Mica-Dielectric Capacitors, **10.01**
*D749 Withdrawn 1976; Method of Calibrating a Light Source Used for*

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*Accelerating the Deterioration of Rubber*
**D750-12** Practice for Rubber Deterioration Using Artificial Weathering Apparatus, **09.01**
**D751-06(2011)** Test Methods for Coated Fabrics, **09.02**
*D752 Withdrawn 1984; Specification for Heavy-Duty Block Polychloroprene Jacket for Wire and Cable; Replaced by D4247*
*D753 Withdrawn 1984; Specification for General Purpose Polychloroprene Jacket for Wire and Cable; Replaced by D4247*
*D754 Withdrawn 1984; Specification for Synthetic Rubber Insulation for Wire and Cable, 75°C Operation*
*D755 Withdrawn 1984; Specification for Synthetic Rubber Insulation for Wire and Cable, 60°C Operation*
*D756 Withdrawn 1998; Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions*
*D757 Withdrawn 1966; Method of Test for Incandescence Resistance of Rigid Plastics in a Horizontal Position*
*D758 Withdrawn 1969; Method of Test for Impact Resistance of Plastics at Subnormal and Supernormal Temperatures*
*D759 Withdrawn 1982; Practice for Conducting Physical Property Tests of Plastics at Subnormal and Supernormal Temperatures*
*D760 Withdrawn 1952; Specification for Enclosures and Servicing Units for Tests Above and Below Room Temperatures*
*D761 Withdrawn 1952; Specification for Enclosures and Servicing Units for Tests Above and Below Room Temperatures*
*D762 Withdrawn 1965; Method of Test for Hot Extraction of Asphaltic Materials and Recovery of Bitumen by the Modified Abson Procedure; Replaced by D1856*
**D763-06(2012)** Specification for Raw and Burnt Umber Pigments, **06.03**
*D764 Withdrawn 1948; Specification for Raw Burnt Umber; Combined with D 763*
**D765-87(2009)** Specification for Raw and Burnt Sienna Pigments, **06.03**
*D766 Withdrawn 1948; Specification for Raw Burnt Sienna; Combined with D 765*
*D767 Withdrawn 1976; Specification for Venetion Red*
**D768-01(2012)** Specification for Yellow Iron Oxide Hydrated, **06.03**
**D769-01(2012)** Specification for Black Synthetic Iron Oxide, **06.03**
**D770-11** Specification for Isopropyl Alcohol, **06.04**
*D771 Withdrawn 1955; Method of Test for Daylight 45 degree, 0 degree Luminus Directional Reflectance of Paint Finishes*
**D772-86(2011)** Test Method for Evaluating Degree of Flaking (Scaling) of Exterior Paints, **06.01**
*D773 Withdrawn 1982; Method of Test for Adhesiveness of Gummed Tape*
*D774/D774M Withdrawn 2010; Test Method for Bursting Strength of Paper*
*D775 Withdrawn 1993; Method of Drop Test for Loaded Boxes; Replaced by D5276*
*D776 Withdrawn 2009; Test Method for Determination of Effect of Dry Heat on Properties of Paper and Board*
*D777 Withdrawn 2009; Test Method for Flammability of Treated Paper and Paperboard*
*D778 Withdrawn 2010; Test Methods for Hydrogen Ion Concentration (pH) of Paper Extracts (Hot-Extraction and Cold-Extraction Procedures)*
*D779 Withdrawn 2011; Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method*
*D780 Withdrawn 2009; Test Method for Printing Ink Permeation of Paper (Castor Oil Test)*
*D781 Withdrawn 1984; Test Methods for Puncture and Stiffness of Paperboard and Corrugated and Solid Fiberboard; Replaced by TAPPI T 803*
*D782 Withdrawn 1999; Test Method for Shipping Containers in Revolving Hexagonal Drum*
*D783 Withdrawn 1948; Tentative Method of Test for Water-Vapor Permeability of Paper and Paperboard; Replaced by E96*
*D784 Withdrawn 2013; Specification for Orange Shellac and Other Indian Lacs for Electrical Insulation*
**D785-08** Test Method for Rockwell Hardness of Plastics and Electrical Insulating Materials, **08.01**
*D786 Withdrawn 1982; Specification for Cellulose Acetate Plastic Sheets*
**D787-12** Specification for Ethyl Cellulose Molding and Extrusion Compounds, **08.01**
**D788-12** Classification System for Poly(Methyl Methacrylate) (PMMA) Molding and Extrusion Compounds, **08.01**
**D789-07$^{\epsilon 1}$** Test Methods for Determination of Solution Viscosities of Polyamide (PA), **08.01**
**D790-10** Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials, **08.01**
*D790M Withdrawn 1996; Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials [Metric]*
*D791 Withdrawn 1967; Method of Test for Luminous Reflectance, Transmittance, and Color of Materials; Replaced by E308*
**D792-13** Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement, **08.01**
*D793 Withdrawn 1982; Method of Test for Short-Time Stability at Elevated Temperatures of Plastics conCaining Chlorine*
*D794 Withdrawn 1998; Practice for Determining Permanent Effect of Heat on Plastics*
*D795 Withdrawn 1971; Recommended Practice for Accelerated Weathering of Plastics Using S-1 Mercury Arc Lamp*
*D796 Withdrawn 1992; Practice for Compression Molding Test Specimens of Phenolic Molding Compounds; Replaced by D5224*
*D797 Withdrawn 1994; Test Methods for Rubber Property—Young's Modulus at Normal and Subnormal Temperatures*
*D798 Withdrawn 1949; Specification and Methods of Test for Sponge and Expanded Cellular Rubber Products; Replaced by D1055, D1056*
*D799 Withdrawn 2000; Specification for Liquid Toilet Soap*
**D800-05(2014)** Test Methods of Chemical Analysis of Industrial Metal Cleaning Compositions, **15.04**
**D801-02(2013)** Test Methods for Sampling and Testing Dipentene, **06.03**
**D802-02(2013)** Test Methods for Sampling and Testing Pine Oils, **06.03**
**D803-12** Test Methods for Testing Tall Oil, **06.03**
**D804-12** Terminology Relating to Pine Chemicals, Including Tall Oil and Related Products, **06.03**
*D805 Withdrawn 1976; Methods of Testing Veneer, Plywood, and Other Glued Veneer Constructions; Replaced by D3499, D3500, D3501*
**D806-11** Test Method for Cement Content of Hardened Soil-Cement Mixtures, **04.08**
**D807-14** Practice for Assessing the Tendency of Industrial Boiler Waters to Cause Embrittlement (USBM Embrittlement Detector Method), **11.01**
**D808-11** Test Method for Chlorine in New and Used Petroleum Products (High Pressure Decomposition Device Method), **05.01**
*D809 Withdrawn 1952; Method of Test for Phosphorous in Lubricating Oils, Lubricating Oil Additives and Their Concentrates; Replaced by D1091*
*D810 Withdrawn 1963; Methods of Test for Sulfated Residue, Lead, Iron and Copper in Lubricating Oils*
*D811 Withdrawn 1989; Method for Chemical Analysis for Metals in New and Used Lubricating Oils*
*D812 Withdrawn 1948; Specification for GR-S (Synthetic Rubber) Sheath Compound for Electrical Insulated Cords and Cables Where Extreme Abrasion Resistance Is Not Required*
**D813-07(2014)** Test Method for Rubber Deterioration—Crack Growth, **09.01**
**D814-95(2010)** Test Method for Rubber PropertyVapor Transmission of Volatile Liquids, **09.01**
*D815 Withdrawn 1989; Method of Testing Coated Fabrics—Hydrogen Permeanance*
**D816-06(2011)** Test Methods for Rubber Cements, **09.01**
**D817-12** Test Methods of Testing Cellulose Acetate Propionate and Cellulose Acetate Butyrate, **06.03**
*D818 Withdrawn 1953; Specification for Natural Rubber Cups for Use in Hydraulic Actuating Cylinders*
*D819 Withdrawn 1959; Specification for Cast Allyl Plastic Sheets, Rods, Tubes, and Shapes*
**D820-93(2009)** Test Methods for Chemical Analysis of Soaps Containing Synthetic Detergents, **15.04**
*D821 Withdrawn 1984; Method of Evaluating Degree of Abrasion, Erosion, or a Combination of Both in Road Service Test of Traffic Paints*
**D822/D822M-13** Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings, **06.01**
**D823-95(2012)$^{\epsilon 1}$** Practices for Producing Films of Uniform Thickness of Paint, Varnish, and Related Products on Test Panels, **06.01**
*D824 Withdrawn 2010; Test Method for Rate of Absorption of Water by Bibulous Papers*
*D825 Withdrawn 1973; Methods of Test for Ply Adhesion of Paper*
*D826 Withdrawn 1985; Methods of Test for Degree of Wet Curl of Paper*
*D827 Withdrawn 1981; Method of Test for Edge Tearing Strength of Paper*
*D828 Withdrawn 2009; Test Method for Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus*
*D829 Withdrawn 2009; Test Method for Wet Tensile Breaking Strength of Paper and Paper Products*
*D830 Withdrawn 1948; Method of Test for Water Vapor Permeability of Paper and Paperboard; Replaced by E96*
**D831/D831M-12** Test Method for Gas Content of Cable and Capacitor Oils, **10.03**
**D832-07(2012)** Practice for Rubber Conditioning For Low Temperature Testing, **09.01**
*D833 Withdrawn 1960; Methods of Identification and Quantitative Analysis of Synthetic Elastomers; Combined with D 297*
*D834 Withdrawn 1984; Methods of Test for Free Ammonia in Phenol-Formaldehyde Molded Materials; Combined with D 297*
*D835 Withdrawn 1997; Specification for Refined Benzene–485*
*D836 Withdrawn 1991; Specification for Industrial Grade Benzene*
*D837 Withdrawn 1963; Specification for Industrial 90 Benzene*
*D838 Withdrawn 1978; Specification for Refined Solvent Naphtha*
*D839 Withdrawn 1975; Specification for Crude Light Solvent Naphtha*
*D840 Withdrawn 1975; Specification for Crude Heavy Solvent Naphtha*
**D841-13** Specification for Nitration Grade Toluene, **06.04**
*D842 Withdrawn 1963; Specification for Industrial Grade Toluene*
**D843-06(2011)$^{\epsilon 1}$** Specification for Nitration Grade Xylene, **06.04**
*D844 Withdrawn 1963; Specification for Industrial Grade Xylene*
*D845 Withdrawn 1982; Specification for Five-Degree Xylene*
*D846 Withdrawn 1991; Specification for Ten-Degree Xylene*
**D847-08** Test Method for Acidity of Benzene, Toluene, Xylenes, Solvent Naphthas, and Similar Industrial Aromatic Hydrocarbons, **06.04**
**D848-09** Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons, **06.04**
**D849-11** Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons, **06.04**
**D850-11** Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials, **06.04**
*D851 Withdrawn 1975; Method of Test for Paraffins in Industrial Aromatic Hydrocarbons*
**D852-13** Test Method for Solidification Point of Benzene, **06.04**
*D853 Withdrawn 2013; Test Method for Hydrogen Sulfide and Sulfur Dioxide*

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**D854-10** Test Methods for Specific Gravity of Soil Solids by Water Pycnometer, **04.08**
*D855 Withdrawn 1977; Method of Analysis of Oil-Soluble Sodium Petroleum Sulfonates*
*D856 Withdrawn 1991; Test Methods for Sampling and Testing Pine Tars and Pine-Tar Oils*
**D857-12** Test Method for Aluminum in Water, **11.01**
**D858-12** Test Methods for Manganese in Water, **11.01**
**D859-10** Test Method for Silica in Water, **11.01**
*D860 Withdrawn 1975; Method of Sampling Water from Boilers; Replaced by D3370*
**D861-07(2013)** Practice for Use of the Tex System to Designate Linear Density of Fibers, Yarn Intermediates, and Yarns, **07.01**
*D862 Withdrawn 1972; Methods of Test for Evaluating Treated Textiles for Pemanence of Resistance to Microorganisms*
*D863 Withdrawn 1948; Method of Measuring the Flow of Properties of Thermoplastic Molding Materials; Combined with D 569*
*D864 Withdrawn 1989; Test Method for Coefficient of Cubical Thermal Expansion of Plastics*
**D865-11** Test Method for Rubber—Deterioration by Heating in Air (Test Tube Enclosure), **09.01**
*D866 Withdrawn 2009; Specification for Crosslinked Styrene-Butadiene (SBR) Synthetic Rubber Jacket for Wire and Cable*
*D867 Withdrawn 1995; Specification for Pumice Pigment*
**D868-10** Practice for Determination of Degree of Bleeding of Traffic Paint, **06.02**
**D869-85(2011)** Test Method for Evaluating Degree of Settling of Paint, **06.01**
**D870-09** Practice for Testing Water Resistance of Coatings Using Water Immersion, **06.01**
**D871-96(2010)** Test Methods of Testing Cellulose Acetate, **06.03**
*D872 Withdrawn 1991; Test Method for Sulfonation Index of Road Tars*
**D873-12** Test Method for Oxidation Stability of Aviation Fuels (Potential Residue Method), **05.01**
**D874-13a** Test Method for Sulfated Ash from Lubricating Oils and Additives, **05.01**
*D875 Withdrawn 1984; Method for Calculating of Olefins and Aromatics in Petroleum Distillates from Bromine Number and Acid Absorption*
**D876-13** Test Methods for Nonrigid Vinyl Chloride Polymer Tubing Used for Electrical Insulation, **10.01**
**D877/D877M-13** Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using Disk Electrodes, **10.03**
**D878-01(2006)** Test Method for Inorganic Chlorides and Sulfates in Insulating Oils, **10.03**
*D879 Withdrawn 1982; Specification for Communication and Signal Pin-Type Lime-Glass Insulators*
**D880-92(2008)** Test Method for Impact Testing for Shipping Containers and Systems, **15.10**
*D881 Withdrawn 1995; Test Method for Deviation of Line of Sight Through Transparent Plastics*
**D882-12** Test Method for Tensile Properties of Thin Plastic Sheeting, **08.01**
**D883-12** Terminology Relating to Plastics, **08.01**
*D884 Withdrawn 1962; Methods of Estimating Blocking of Plastic Sheets*
*D885M Withdrawn 1998; Replaced by D885*
**D885/D885M-10a(2014)$^{\epsilon 1}$** Test Methods for Tire Cords, Tire Cord Fabrics, and Industrial Filament Yarns Made from Manufactured Organic-Base Fibers, **07.01**
*D886 Withdrawn 1973; Methods of Impregnation & Penetration of Glass Yarn with Insulating Varnish*
**D887-13** Practices for Sampling Water-Formed Deposits, **11.02**
**D888-12$^{\epsilon 1}$** Test Methods for Dissolved Oxygen in Water, **11.01**
**D889-13** Test Method for Volatile Oil in Rosin, **06.03**
**D890-12** Test Method for Water in Liquid Pine Chemicals, **06.03**
**D891-09** Test Methods for Specific Gravity, Apparent, of Liquid Industrial Chemicals, **15.05**
**D892-13** Test Method for Foaming Characteristics of Lubricating Oils, **05.01**
**D893-12** Test Method for Insolubles in Used Lubricating Oils, **05.01**
*D894 Withdrawn 1950; Method of Test for Sulfur in Petroleum Products and Lubricating Oils by Bomb Method; Combined with D 129*
*D895 Withdrawn 1999; Test Method for Water Vapor Permeability of Packages*
**D896-04(2010)$^{\epsilon 1}$** Practice for Resistance of Adhesive Bonds to Chemical Reagents, **15.06**
**D897-08** Test Method for Tensile Properties of Adhesive Bonds, **15.06**
*D898 Withdrawn 2006; Test Method for Applied Weight Per Unit Area of Dried Adhesive Solids*
**D899-00(2013)** Practice for Applied Weight Per Unit Area of Liquid Adhesive, **15.06**
*D900 Withdrawn 1975; Methods of Test for Calorific Value of Gaseous Fuels by the Water-Flow Calorimeter*
*D901 Withdrawn 2004; Test Methods for Askarels*
**D902-12** Test Methods for Flexible Resin-Coated Glass Fabrics and Glass Fabric Tapes Used for Electrical Insulation, **10.01**
**D903-98(2010)** Test Method for Peel or Stripping Strength of Adhesive Bonds, **15.06**
**D904-99(2013)** Practice for Exposure of Adhesive Specimens to Artificial Light, **15.06**
**D905-08(2013)** Test Method for Strength Properties of Adhesive Bonds in Shear by Compression Loading, **15.06**
**D906-98(2011)** Test Method for Strength Properties of Adhesives in Plywood Type Construction in Shear by Tension Loading, **15.06**
**D907-12a** Terminology of Adhesives, **15.06**
*D908 Withdrawn 1969; Method of Test for Knock Characteristics of Motor Fuels of 100 Octane Number and Below by the Research Method; Replaced by D2699*
**D909-07(2012)$^{\epsilon 1}$** Test Method for Supercharge Rating of Spark-Ignition Aviation Gasoline, **05.05**
**D910-13** Specification for Aviation Gasolines, **05.01**
*D911 Withdrawn 1994; Specification for Mercuric Oxide for Use in Antifouling Paints*
*D912 Withdrawn 2004; Specification for Cuprous Oxide for Use in Antifouling Paints*
**D913-10** Practice for Evaluating Degree of Traffic Paint Line Wear, **06.02**
**D914-12** Test Methods for Ethylcellulose, **06.03**
*D915 Withdrawn 1987; Method of Testing Soil-Bituminous Mixtures*
*D916 Withdrawn 1964; Method of Test for Shear Strength of Flexible Road Surfaces, Subgrades, and Fills by the Burggraf Shear Apparatus*
*D917 Withdrawn 1981; Method of Test for Bleeding Resistance of Asphalted Paper at 65°C*
*D918 Withdrawn 2011; Test Method for Blocking Resistance of Paper and Paperboard*
*D919 Withdrawn 2009; Test Method for Copper Number of Paper and Paperboard*
*D920 Withdrawn 1989; Method of Test for Blocking Resistance of Paper and Paperboard*
*D921 Withdrawn 1980; Method of Test for Titanium Dioxide in Paper*
**D922-11** Specification for Nonrigid Vinyl Chloride Polymer Tubing, **10.01**
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**D924-08** Test Method for Dissipation Factor (or Power Factor) and Relative Permittivity (Dielectric Constant) of Electrical Insulating Liquids, **10.03**
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**D926-08(2013)** Test Method for Rubber Property—Plasticity and Recovery (Parallel Plate Method), **09.01**
*D927 Withdrawn 1959; Method of Test for Viscosity of Rubber and Rubber-Like Materials by the Shearing Disc Viscometer; Replaced by D1646*
**D928-03(2009)** Specification for Sodium Bicarbonate, **15.04**
*D929 Withdrawn 2001; Specification for Borax*
*D930 Withdrawn 2001; Test Method of Total Immersion Corrosion Test of Water-Soluble Aluminum Cleaners*
*D931 Withdrawn 1956; Method of Test for Thiophene in Benzene; Replaced by D1685*
**D932-85(2009)** Test Method for Iron Bacteria in Water and Water-Formed Deposits, **11.02**
**D933-84(2012)** Practice for Reporting Results of Examination and Analysis of Water-Formed Deposits, **11.02**
**D934-13** Practices for Identification of Crystalline Compounds in Water-Formed Deposits By X-Ray Diffraction, **11.02**
*D935 Withdrawn 1968; Method of Corrosivity Test of Industrial Water; Replaced by D2688*
*D936 Withdrawn 1991; Test Method for Aromatic Hydrocarbons in Olefin-Free Gasolines by Silica Gel Absorption*
**D937-07(2012)** Test Method for Cone Penetration of Petrolatum, **05.01**
**D938-12** Test Method for Congealing Point of Petroleum Waxes, Including Petrolatum, **05.01**
*D939 Withdrawn 1963; Method of Test for Saponification Number by Potentiometric Titration*
*D940 Withdrawn 1949; Method of Test for Determination of Purity by Measurement of Freezing Points; Replaced by D1015, D1016*
*D941 Withdrawn 1993; Test Method for Density and Relative Density (Specific Gravity) of Liquids by Lipkin Bicapillary Pycnometer*
**D942-02(2007)** Test Method for Oxidation Stability of Lubricating Greases by the Oxygen Pressure Vessel Method, **05.01**
**D943-04a(2010)$^{\epsilon 1}$** Test Method for Oxidation Characteristics of Inhibited Mineral Oils, **05.01**
*D944 Withdrawn 1966; Specification for Mechanical Roll Felt; Replaced by D2475*
**D945-06(2012)** Test Methods for Rubber Properties in Compression or Shear (Mechanical Oscillograph), **09.01**
**D946/D946M-09a** Specification for Penetration-Graded Asphalt Cement for Use in Pavement Construction, **04.03**
*D947 Withdrawn 1963; Specification for Hot-Mixed, Hot-Laid Asphaltic Concrete for Base and Surface Courses*
*D948 Withdrawn 1954; Method of Test for Weight Loss of Plastics on Heating; Replaced by E95*
*D949 Withdrawn 1949; Recommended Practice for Molding Test Specimens of Phenolic Materials*
**D950-03(2011)** Test Method for Impact Strength of Adhesive Bonds, **15.06**
**D951-99(2010)** Test Method for Water Resistance of Shipping Containers by Spray Method, **15.10**
**D952-10** Test Method for Bond or Cohesive Strength of Sheet Plastics and Electrical Insulating Materials, **08.01**
**D953-10** Test Method for Bearing Strength of Plastics, **08.01**
*D954 Withdrawn 1962; Methods of Test for Apparent Density and Bulk Factor of Nonpouring Molding Powders*
**D955-08** Test Method of Measuring Shrinkage from Mold Dimensions of Thermoplastics, **08.01**
*D956 Withdrawn 1992; Practice for Compression Molding Specimens of Amino Molding Compounds; Replaced by D5224*

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**D957-12** Practice for Determining Surface Temperature of Molds for Plastics, **08.01**
*D958 Withdrawn 1995; Practice for Determining Temperatures of Standard ASTM Molds for Test Specimens of Plastics; Replaced by D957*
*D959 Withdrawn 1993; Method of Drop Test for Filled Bags; Replaced by D5276*
*D960 Withdrawn 2007; Specification for Raw Castor Oil*
*D961 Withdrawn 2007; Specification for Dehydrated Castor Oil*
**D962-81(2008)ε1** Specification for Aluminum Powder and Paste Pigments for Paints, **06.03**
*D963 Withdrawn 1993; Specification for Copper Phthalocyanine Blue Pigment*
**D964-03(2008)ε1** Specification for Metallic Copper Powder for Use in Antifouling Paints, **06.03**
*D965 Withdrawn 1961; Specification for Heavy Petroleum Spirits (Heavy Mineral Spirits)*
*D966 Withdrawn 1982; Specification for Secondary Butyl Acetate (85 to 88% grade)*
*D967 Withdrawn 1951; Tentative Method of Testing Drying Oils; Replaced by D555*
**D968-05(2010)** Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive, **06.01**
*D969 Withdrawn 2010; Test Method for Laboratory Determination of Degree of Bleeding of Traffic Paint; Replaced by D868*
*D970 Withdrawn 2003; Test Methods for Para Red and Toluidine Red Pigments*
**D971-12** Test Method for Interfacial Tension of Oil Against Water by the Ring Method, **10.03**
**D972-02(2008)** Test Method for Evaporation Loss of Lubricating Greases and Oils, **05.01**
*D973 Withdrawn 1969; Test for Butadiene Content of Polymerization Grade Butadiene and Butadiene Concentrate*
**D974-12** Test Method for Acid and Base Number by Color-Indicator Titration, **05.01**
**D975-13** Specification for Diesel Fuel Oils, **05.01**
**D976-06(2011)** Test Method for Calculated Cetane Index of Distillate Fuels, **05.01**
**D977-13ε1** Specification for Emulsified Asphalt, **04.03**
*D978 Withdrawn 1963; Specification for Asphaltic Mixtures for Sheet Asphalt Pavements*
**D979/D979M-12** Practice for Sampling Bituminous Paving Mixtures, **04.03**
*D980 Withdrawn 1965; Method of Sampling and Analysis of Coal for Volatile Matter Determination in Connection with Smoke Ordinance*
*D981 Withdrawn 1974; Methods of Testing Analytical Filter Papers*
**D982-05(2009)** Test Method for Organic Nitrogen in Paper and Paperboard, **10.01**
*D983 Withdrawn 1981; Method of Test for Paraffin Wax Absorptiveness of Paper*
*D984 Withdrawn 2010; Test Methods for Reducible Sulfur in Paper*
*D985 Withdrawn 2010; Test Method for Brightness of Pulp, Paper, and Paperboard (Directional Reflectance at 457 nm)*
*D986 Withdrawn 1966; Method of Preparation of Magnesium Oxide Standard for Spectral Reflectivity; Replaced by E259*
*D987 Withdrawn 1969; Method of Test for Stretch of Paper and Paper Products Under Tension*
*D988 Withdrawn 1958; Methods of Test for Water Vapor Permeability of Paper and Paperboard; Replaced by E96*
*D989 Withdrawn 1967; Method of Test for Detection of Free Sulfur in Electrical Insulating Oils; Replaced by D1275*
*D990 Withdrawn 1974; Recommended Practice for Interlaboratory Testing of Textile Materials; Replaced by D2904*
**D991-89(2010)** Test Method for Rubber Property—Volume Resistivity Of Electrically Conductive and Antistatic Products, **09.01**
*D992 Withdrawn 1984; Method of Test for Nitrate Ion in Water*
*D993 Withdrawn 1987; Method of Test for Sulfate-Reducing Bacteria in Water and Water-Formed Deposits; Replaced by D4412*
**D994/D994M-11** Specification for Preformed Expansion Joint Filler for Concrete (Bituminous Type), **04.03**
*D995 Withdrawn 2009; Specification for Mixing Plants for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures*
**D996-10a** Terminology of Packaging and Distribution Environments, **15.10**
*D997 Withdrawn 1993; Method for Drop Test for Loaded Cylindrical Containers; Replaced by D5276*
*D998 Withdrawn 1999; Test Method for Penetration of Liquids into Submerged Loaded Shipping Containers*
**D999-08** Test Methods for Vibration Testing of Shipping Containers, **15.10**
**D1000-10** Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications, **10.01**
*D1001 Withdrawn 1961; Specification for Sieve Analysis of Granular Mineral Surfacing for Asphalt Roofing and Shingles*
**D1002-10** Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal), **15.06**
**D1003-13** Test Method for Haze and Luminous Transmittance of Transparent Plastics, **08.01**
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**D1005-95(2013)** Test Method for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers, **06.01**
**D1006/D1006M-13** Practice for Conducting Exterior Exposure Tests of Paints on Wood, **06.01**
**D1007-11** Specification for sec-Butyl Alcohol, **06.04**
*D1008 Withdrawn 1985; Methods of Test for Water Vapor Transmission of Shipping Containers*
*D1009 Withdrawn 1972; Recommended Code for Designating Form of Material and Direction of Testing Plastics*
*D1010 Withdrawn 1981; Methods of Testing Asphalt Emulsions for Use As Protective Coatings for Metal; Replaced by D2939*
*D1011 Withdrawn 1977; Method of Test for Night Visibility of Traffic Paints*
*D1012 Withdrawn 1975; Method of Test for Analine Point and Mixed Aniline Point of Hydrocarbon Solvents; Replaced by D611*
*D1013 Withdrawn 2007; Test Method for Determining Total Nitrogen in Resins and Plastics*
**D1014-09** Practice for Conducting Exterior Exposure Tests of Paints and Coatings on Metal Substrates, **06.01**
**D1015-05(2010)** Test Method for Freezing Points of High-Purity Hydrocarbons, **05.01**
**D1016-05(2010)** Test Method for Purity of Hydrocarbons from Freezing Points, **05.01**
*D1017 Withdrawn 1981; Test Method for Benzene and Toluene in 250°F and Lighter Petroleum Products by Ultraviolet Spectrophotometry*
**D1018-11** Test Method for Hydrogen In Petroleum Fractions, **05.01**
*D1019 Withdrawn 1986; Method of Test for Olefinic Plus Aromatic Hydrocarbons in Petroleum Distillates*
*D1020 Withdrawn 1984; Method of Test for Alpha Acetylenes in Butadiene, Butadiene Concentrates, and Butane-Butene Mixtures (Silver Nitrate Method)*
*D1021 Withdrawn 1983; Method of Test for Oxygen in Light Hydrocarbon Vapors*
*D1022 Withdrawn 1984; Method of Test for Peroxide Content of Light Hydrocarbons*
*D1023 Withdrawn 1984; Method of Test for Separation of Residue from Butadiene*
*D1024 Withdrawn 1970; Method of Test for Butadiene Dimer and Styrene in Butadiene Concentrates*
**D1025-10** Test Method for Nonvolatile Residue of Polymerization-Grade Butadiene, **05.01**
*D1026 Withdrawn 1991; Test Method for Sodium in Lubricating Oils and Additives (Gravimetric Method)*
*D1027 Withdrawn 1980; Methods for Creasing Paper for Permeability Tests*
*D1028 Withdrawn 1982; Test Method for Ply Separation (Wet) of Solid and Corrugated Fiberboard; Replaced by TAPPI T 812*
*D1029 Withdrawn 2001; Test Method for Peeling Resistance of Paper and Paperboard*
**D1030** *Withdrawn 2011; Test Method for Fiber Analysis of Paper and Paperboard*, **15.09**
*D1031 Withdrawn 1992; Specification for Creosoted End-Grain Wood Block Flooring for Interior Use*
*D1032 Withdrawn 1993; Specification for Chromated Zinc Chloride*
*D1033 Withdrawn 1933; Methods of Chemical Analysis of Chromated Zinc Chloride*
*D1034 Withdrawn 2000; Specification for Fluor-Chrome-Arsenate-Phenol*
*D1035 Withdrawn 2000; Test Methods for Chemical Analysis of Fluor-Chrome-Arsenate-Phenol*
**D1036-99(2012)** Test Methods of Static Tests of Wood Poles, **04.10**
**D1037-12** Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials, **04.10**
**D1038-11** Terminology Relating to Veneer and Plywood, **04.10**
**D1039-94(2010)** Test Methods for Glass-Bonded Mica Used as Electrical Insulation, **10.01**
*D1040 Withdrawn 1981; Specification for Uninhibited Mineral Insulating Oil for Use in Transformers and in Oil Circuit Breakers*
*D1041 Redesignated E104*
**D1042-12** Test Method for Linear Dimensional Changes of Plastics Caused by Exposure to Heat and Moisture, **08.01**
**D1043-10** Test Method for Stiffness Properties of Plastics as a Function of Temperature by Means of a Torsion Test, **08.01**
**D1044-13** Test Method for Resistance of Transparent Plastics to Surface Abrasion, **08.01**
**D1045-14** Test Methods for Sampling and Testing Plasticizers Used in Plastics, **08.01**
*D1046 Withdrawn 1955; Recommended Practice for Transfer Molding of Specimens of Phenolic Materials*
**D1047-11** Specification for Poly(Vinyl Chloride) Jacket for Wire and Cable, **10.01**
**D1048-12** Specification for Rubber Insulating Blankets, **10.03**
**D1049-98(2010)** Specification for Rubber Insulating Covers, **10.03**
**D1050-05(2011)** Specification for Rubber Insulating Line Hose, **10.03**
**D1051-08** Specification for Rubber Insulating Sleeves, **10.03**
**D1052-09(2014)** Test Method for Measuring Rubber Deterioration—Cut Growth Using Ross Flexing Apparatus, **09.01**
**D1053-92a(2012)** Test Methods for Rubber Property—Stiffening at Low Temperatures: Flexible Polymers and Coated Fabrics, **09.01**
*D1054 Withdrawn 2010; Test Method for Rubber Property—Resilience Using a Goodyear-Healey Rebound Pendulum*
*D1055 Withdrawn 2014; Specifications for Flexible Cellular Materials—Latex Foam*
**D1056-14** Specification for Flexible Cellular Materials—Sponge or Expanded Rubber, **08.01**
*D1057 Withdrawn 1973; Methods of Testing Single Kraft Yarn*
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*D1059 Withdrawn 2010; Test Method for Yarn Number Based on Short-Length Specimens*
**D1060-10** Practice for Core Sampling of Raw Wool in Packages for Determination of Percentage of Clean Wool Fiber Present, **07.01**
**D1061/D1061M-95(2009)ε1** Specification for Asbestos Lap, **04.05**
**D1062-08** Test Method for Cleavage Strength of Metal-to-Metal Adhesive Bonds, **15.06**
*D1063 Withdrawn 1991; Test Method for Ash in Rosin*
*D1064 Withdrawn 2002; Test Methods for Iron in Rosin Tall Oil Fatty Acids And Other Related Products*
**D1065-96(2010)** Test Method for Unsaponifiable Matter in Naval Stores, Including Rosin, Tall Oil, and Related Products, **06.03**
**D1066-11** Practice for Sampling Steam, **11.01**
**D1067-11** Test Methods for Acidity or Alkalinity of Water, **11.01**
**D1068-10** Test Methods for Iron in Water, **11.01**
*D1069 Withdrawn 1974; Methods of Test for Particulate and Dissolved Matter in Waste Water*
**D1070-03(2010)** Test Methods for Relative Density of Gaseous Fuels, **05.06**
**D1071-83(2008)** Test Methods for Volumetric Measurement of Gaseous Fuel Samples, **05.06**
**D1072-06(2012)** Test Method for Total Sulfur in Fuel Gases by Combustion and Barium Chloride Titration, **05.06**
**D1073-11** Specification for Fine Aggregate for Bituminous Paving Mixtures, **04.03**
**D1074-09** Test Method for Compressive Strength of Bituminous Mixtures, **04.03**
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**D1076-10** Specification for Rubber—Concentrated, Ammonia Preserved, Creamed, and Centrifuged Natural Latex, **09.01**
*D1077 Withdrawn 1959; Method of Test for Curing Characteristics of Vulcanizable Rubber Nixture During Heating by the Shearing Disk Viscometer; Replaced by D1646*
**D1078-11** Test Method for Distillation Range of Volatile Organic Liquids, **06.04**
**D1079-13ε1** Terminology Relating to Roofing and Waterproofing, **04.04**
*D1080 Withdrawn 1978; Specification for Saturable Papers for Laminated Electrical Insulation*
*D1081 Withdrawn 1984; Method of Test for Evaluating Rubber Property Sealing Pressure*
**D1082-00(2011)** Test Method for Dissipation Factor and Permittivity (Dielectric Constant) of Mica, **10.01**
*D1083 Withdrawn 2001; Test Methods for Mechanical Handling of Unitized Loads and Large Shipping Cases and Crates*
**D1084-08** Test Methods for Viscosity of Adhesives, **15.06**
*D1085 Withdrawn 1996; Practice for Gaging Petroleum and Petroleum Products (Available as Separate Reprint Only)*
*D1086 Withdrawn 1995; Method for Measuring the Temperature of Petroleum and Petroleum Products*
*D1087 Withdrawn 1965; Recommended Practice for Volume Calculations and Corrections in the Measurement of Petroleum and Petroleum Products*
*D1088 Withdrawn 1984; Method of Test for Boiling Point Range of Polymerization-Grade Butadiene*
*D1089 Withdrawn 1984; Method of Test for Carbonyl Content of Butadiene; Replaced by D4423*
*D1090 Withdrawn 1952; Factors and Tables for Volume Correction and Specific Gravity Conversion of Liquefied Petroleum Gases; Replaced by D1250*
**D1091-11** Test Methods for Phosphorus in Lubricating Oils and Additives, **05.01**
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**D1093-11** Test Method for Acidity of Hydrocarbon Liquids and Their Distillation Residues, **05.01**
**D1094-07(2013)** Test Method for Water Reaction of Aviation Fuels, **05.01**
*D1095 Withdrawn 1961; Method of Test for Analysis of 60 Octane Number Isooctane-Normal Heptane ASTM Knock Test Reference Fuel Blends by Infrared Spectrophotometry*
*D1096 Withdrawn 1984; Method of Test for 1,3-Butadiene in C-4 and Lighter Hydrocarbon Mixtures by Ultraviolet Spectrophotometry*
*D1097 Withdrawn 1965; Method of Test for Bitumen Content of Paving Mixtures by Centrifuge; Replaced by D2172*
*D1098 Withdrawn 1986; Method of Static Bending Test for Corrugated Paperboard*
*D1099 Withdrawn 1981; Method of Test for Water-Soluble Sulfates in Paper and Paperboard*
*D1100 Redesignated E832*
**D1101-97a(2013)** Test Methods for Integrity of Adhesive Joints in Structural Laminated Wood Products for Exterior Use, **15.06**
**D1102-84(2013)** Test Method for Ash in Wood, **04.10**
*D1103 Withdrawn 1986; Method of Test for Alpha-Cellulose in Wood*
*D1104 Withdrawn 1986; Method of Test for Holocellulose in Wood*
**D1105-96(2013)** Test Method for Preparation of Extractive-Free Wood, **04.10**
**D1106-96(2013)** Test Method for Acid-Insoluble Lignin in Wood, **04.10**
**D1107-96(2013)** Test Method for Ethanol-Toluene Solubility of Wood, **04.10**
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**D1109-84(2013)** Test Method for 1 % Sodium Hydroxide Solubility of Wood, **04.10**
**D1110-84(2013)** Test Methods for Water Solubility of Wood, **04.10**
*D1111 Withdrawn 1976; Specification for Chip or Granular Soap for Low-Temperature Washing (Low and Medium Titer)*
*D1112 Withdrawn 1976; Specification for Solid Soap for Low-Temperature Washing (Low and Medium Titer)*
**D1113-13** Test Method for Vegetable Matter and Other Alkali-Insoluble Impurities in Scoured Wool, **07.01**
*D1114 Withdrawn 1966; Specification for Mechanical Sheet Felt; Replaced by D2475*
*D1115 Withdrawn 1963; Method of Test for Snag Resistance of Hosiery*
*D1116 Withdrawn 1981; Method of Test for Resistance of Pile Floor Coverings to Attack by Black Carpet Beetle Larvae*
*D1117 Withdrawn 2009; Guide for Evaluating Nonwoven Fabrics*
**D1118/D1118M-95(2009)ε1** Test Method for Magnetic Rating of Asbestos Fiber and Asbestos Textiles, **04.05**
**D1119-05(2009)** Test Method for Percent Ash Content of Engine Coolants, **15.05**
**D1120-11ε1** Test Method for Boiling Point of Engine Coolants, **15.05**
**D1121-11** Test Method for Reserve Alkalinity of Engine Coolants and Antirusts, **15.05**
**D1122-13** Test Method for Density or Relative Density of Engine Coolant Concentrates and Engine Coolants By The Hydrometer, **15.05**
**D1123-99(2009)** Test Methods for Water in Engine Coolant Concentrate by the Karl Fischer Reagent Method, **15.05**
*D1124 Withdrawn 1993; Specification for Hydrometer-Thermometer Field Tester For Engine Coolants*
**D1125-14** Test Methods for Electrical Conductivity and Resistivity of Water, **11.01**
**D1126-12** Test Method for Hardness in Water, **11.01**
*D1127 Withdrawn 1962; Methods of Test for Sodium and Potassium in Industrial Water*
*D1128 Withdrawn 1982; Method for Identification of Types of Microorganisms and Microscopic Matter in Water and Waste Water*
**D1129-13** Terminology Relating to Water, **11.01**
*D1130 Withdrawn 1977; Recommended Practice for Injection Molding of Specimens of Thermoplastic Materials*
*D1131 Withdrawn 2003; Test Methods of Testing Rosin Oils*
*D1132 Withdrawn 1967; Method of Test for Heptane Number of Hydrocarbon Solvents*
**D1133-13** Test Method for Kauri-Butanol Value of Hydrocarbon Solvents, **06.04**
*D1134 Withdrawn 1961; Method of Test for Nitrocellulose Diluting Power of Hydrocarbon Solvents; Combined with D 1720*
**D1135-86(2009)** Test Methods for Chemical Analysis of Blue Pigments, **06.03**
*D1136 Withdrawn 1980; Method for Analysis of Natural Gases by the Volumetric-Chemical Method*
*D1137 Withdrawn 1982; Method for Analysis of Natural Gases and Related Types of Gaseous Mixtures by the Mass Spectrometer*
*D1138 Withdrawn 1981; Method of Test for Resistance to Plastic Flow of Fine-Aggregate Bituminous Mixtures by Means of the Hubbard-Field Apparatus*
**D1139/D1139M-09** Specification for Aggregate for Single or Multiple Bituminous Surface Treatments, **04.03**
**D1140-00(2006)** Test Methods for Amount of Material in Soils Finer than No. 200 (75-μm) Sieve, **04.08**
**D1141-98(2013)** Practice for the Preparation of Substitute Ocean Water, **11.02**
**D1142-95(2012)** Test Method for Water Vapor Content of Gaseous Fuels by, **05.06**
*D1143 Withdrawn 2006; Test Method for Piles Under Static Axial Compressive Load*
**D1143/D1143M-07(2013)** Test Methods for Deep Foundations Under Static Axial Compressive Load, **04.08**
**D1144-99(2011)** Practice for Determining Strength Development of Adhesive Bonds, **15.06**
*D1145 Withdrawn 1987; Test Method for Sampling Natural Gas*
**D1146-00(2013)** Test Method for Blocking Point of Potentially Adhesive Layers, **15.06**
*D1147 Redesignated F36*
**D1148-13** Test Method for Rubber Deterioration—Discoloration from Ultraviolet (UV) or UV/Visible Radiation and Heat Exposure of Light-Colored Surfaces, **09.01**
**D1149-07(2012)** Test Methods for Rubber Deterioration—Cracking in an Ozone Controlled Environment, **09.01**
*D1150 Withdrawn 1992; Single and Multi-Panel Forms for Recording Results of Exposure Tests of Paints*
**D1151-00(2013)** Practice for Effect of Moisture and Temperature on Adhesive Bonds, **15.06**
**D1152-06(2012)** Specification for Methanol (Methyl Alcohol), **06.04**
**D1153-12** Specification for Methyl Isobutyl Ketone, **06.04**
*D1154 Withdrawn 1957; Method of Test for Purity of Acetone and Methyl Ethyl Ketone*
**D1155-10** Test Method for Roundness of Glass Spheres, **06.02**
*D1156 Withdrawn 1984; Method of Test for Total Chlorine in Poly(Vinyl Chloride) Polymers and Copolymers Used for Surface Coatings*
**D1157-91(2009)** Test Method for Total Inhibitor Content (TBC) of Light Hydrocarbons, **05.01**
*D1158 Withdrawn 1984; Method of Test for Bromine Number of Petroleum Distillates by Color-Indicator Titration; Replaced by D1159*
**D1159-07(2012)** Test Method for Bromine Numbers of Petroleum Distillates and Commercial Aliphatic Olefins by Electrometric Titration, **05.01**
**D1160-13** Test Method for Distillation of Petroleum Products at Reduced Pressure, **05.01**

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*D1161 Withdrawn 1981; Method of Test for Total Chloride Content of Paper and Paper Products*
*D1162 Withdrawn 1974; Method of Test for Water-Soluble Matter in Paper*
*D1163 Withdrawn 1986; Method of Test for Lint of Paper Towels*
*D1164 Withdrawn 1985; Test Method for Ring Crush of Paperboard; Replaced by TAPPI T 818*
**D1165-13** Nomenclature of Commercial Hardwoods and Softwoods, **04.10**
**D1166-84(2013)** Test Method for Methoxyl Groups in Wood and Related Materials, **04.10**
*D1167 Withdrawn 1972; Methods of Testing Asphalt-Base Emulsions for Use As Protective Coatings for Built-Up Roofs; Replaced by D2939*
*D1168 Withdrawn 2014; Test Methods for Hydrocarbon Waxes Used for Electrical Insulation*
**D1169-11** Test Method for Specific Resistance (Resistivity) of Electrical Insulating Liquids, **10.03**
*D1170 Withdrawn 1968; Specification for Nonmetallic Gasket Materials for General Automotive and Aeronautical Purposes; Combined with F 104*
**D1171-99(2007)** Test Method for Rubber Deterioration—Surface Ozone Cracking Outdoors or Chamber (Triangular Specimens), **09.01**
**D1172-95(2007)** Guide for pH of Aqueous Solutions of Soaps and Detergents, **15.04**
**D1173-07** Test Method for Foaming Properties of Surface-Active Agents, **15.04**
*D1174 Withdrawn 1983; Method of Test for Effect of Bacterial Contamination on Permanence of Adhesive Preparations and Adhesives Bonds*
*D1175 Withdrawn 1982; Method of Test for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder and Uniform Abrasion); Replaced by D4157, D4158*
**D1176-14** Practice for Sampling and Preparing Aqueous Solutions of Engine Coolants or Antirusts for Testing Purposes, **15.05**
**D1177-12** Test Method for Freezing Point of Aqueous Engine Coolants, **15.05**
*D1178 Withdrawn 1971; Method of Test for Chloroform-Extractable Matter in Industrial Water and Industrial Waste Water*
**D1179-10** Test Methods for Fluoride Ion in Water, **11.01**
*D1180 Withdrawn 1980; Method of Test for Warpage of Sheet Plastics*
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*D1182 Withdrawn 1962; Method of Test for Apparent Density and Bulk Factor of Granular Thermoplastic Molding Powder*
**D1183-03(2011)** Practices for Resistance of Adhesives to Cyclic Laboratory Aging Conditions, **15.06**
**D1184-98(2012)** Test Method for Flexural Strength of Adhesive Bonded Laminated Assemblies, **15.06**
**D1185-98a(2009)** Test Methods for Pallets and Related Structures Employed in Materials Handling and Shipping, **15.10**
*D1186 Withdrawn 2006; Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base; Replaced by D7091*
**D1187/D1187M-97(2011)ε1** Specification for Asphalt-Base Emulsions for Use as Protective Coatings for Metal, **04.04**
**D1188-07ε1** Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples, **04.03**
*D1189 Withdrawn 1980; Method of Test for Vacuum Distillation of Liquid and Semi-Solid Asphaltic Materials to Obtain a Residue of Specified Penetration*
*D1190 Withdrawn 2002; Specification for Concrete Joint Sealer, Hot-Poured Elastic Type*
*D1191 Withdrawn 1996; Test Methods for Concrete Joint Sealers; Replaced by D5329*
*D1192 Withdrawn 2003; Guide for Equipment for Sampling Water and Steam in Closed Conduits; Replaced by D1066, D3370*
**D1193-06(2011)** Specification for Reagent Water, **11.01**
*D1194 Withdrawn 2002; Test Method for Bearing Capacity of Soil for Static Loads at Shallow Depths*
**D1195/D1195M-09** Test Method for Repetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements, **04.03**
**D1196/D1196M-12** Test Method for Nonrepetitive Static Plate Load Tests of Soils and Flexible Pavement Components, for Use in Evaluation and Design of Airport and Highway Pavements, **04.03**
*D1197 Redesignated E197*
*D1198 Withdrawn 2007; Test Method for Solvent Tolerance of Amine Resins*
**D1199-86(2008)** Specification for Calcium Carbonate Pigments, **06.03**
**D1200-10** Test Method for Viscosity by Ford Viscosity Cup, **06.01**
**D1201-13** Specification for Thermosetting Polyester Molding Compounds, **08.01**
*D1202 Withdrawn 1991; Specification for Plasticized Cellulose Acetate Sheet and Film for Primary Insulation*
**D1203-10** Test Methods for Volatile Loss From Plastics Using Activated Carbon Methods, **08.01**
**D1204-14** Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature, **08.01**
*D1205 Withdrawn 1974; Methods of Testing Adhesives for Brake Lining and Other Friction Materials*
*D1206 Withdrawn 1981; Method of Test for Resistance to Aging of Vulcanized Rubber by Measurement of Creep*
*D1207 Withdrawn 1972; Recommended Practice for Classifying Elastomeric Compounds for Resilient Automotive Mountings*
**D1208-96(2012)** Test Methods for Common Properties of Certain Pigments, **06.03**
**D1209-05(2011)** Test Method for Color of Clear Liquids (Platinum-Cobalt Scale), **06.04**
**D1210-05(2010)** Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage, **06.01**
*D1211 Withdrawn 2006; Test Method for Temperature-Change Resistance of Clear Nitrocellulose Lacquer Films Applied to Wood*
**D1212-91(2013)** Test Methods for Measurement of Wet Film Thickness of Organic Coatings, **06.01**
*D1213 Withdrawn 1985; Method of Test for Crushing Resistance of Glass Spheres*
**D1214-10** Test Method for Sieve Analysis of Glass Spheres, **06.02**
*D1215 Withdrawn 1980; Specification for Farm Tractor Fuels*
*D1216 Withdrawn 1976; Method of Analysis of Calcium and Barium Petroleum Sulfonates*
**D1217-12** Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer, **05.01**
**D1218-12** Test Method for Refractive Index and Refractive Dispersion of Hydrocarbon Liquids, **05.01**
*D1219 Withdrawn 1976; Method of Test for Mercaptan Sulfur in Aviation Turbine Fuels (Color-Indicator Method); Replaced by D3227*
*D1220 Withdrawn 1996; Practice for Measurement and Calibration of Upright Cylindrical Tanks*
*D1221 Withdrawn 1975; Method of Test for Pinholes in Glassine and Other Greaseproof Papers*
*D1222 Withdrawn 1962; Method of Test for Contrast Glass of Paper at 57.5 Deg*
*D1223 Withdrawn 2010; Test Method for Specular Gloss of Paper and Paperboard at 75°*
*D1224 Withdrawn 2010; Test Methods for Zinc and Cadmium in Paper*
*D1225 Withdrawn 1985; Test Method for Flat Crush of Corrugated Paperboard; Replaced by TAPPI T 808*
*D1226 Withdrawn 1983; Specification for Asphalt Insulating Siding Surfaced with Mineral Granules*
**D1227-13** Specification for Emulsified Asphalt Used as a Protective Coating for Roofing, **04.04**
*D1228 Withdrawn 1983; Methods of Testing Asphalt Insulating Siding Surfaced with Mineral Granules*
**D1229-03(2008)** Test Method for Rubber Property—Compression Set at Low Temperatures, **09.01**
**D1230-10** Test Method for Flammability of Apparel Textiles, **07.01**
*D1231 Withdrawn 1962; Method of Test for Dimensional Change of Knit Cotton Fabrics*
*D1232 Withdrawn 1962; Method of Test for Dimensional Change of Knit Rayon Fabrics*
*D1233 Withdrawn 2000; Specification for Twine Made for Bast and Leaf Fibers*
**D1234-13** Test Method of Sampling and Testing Staple Length of Grease Wool, **07.01**
*D1235 Withdrawn 1963; Tolerances for Filament Acetate Yarns; Replaced by D2497*
*D1236 Withdrawn 1963; Tolerances for Filament Nylon Yarns; Replaced by D2497*
*D1237 Withdrawn 1963; Tolerances for Filament Rayon Yarns; Replaced by D2497*
**D1238-13** Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer, **08.01**
**D1239-07** Test Method for Resistance of Plastic Films to Extraction by Chemicals, **08.01**
**D1240-12** Test Methods for Rosin Acids Content of Pine Chemicals, Including Rosin, Tall Oil, and Related Products, **06.03**
**D1241-07** Specification for Materials for Soil-Aggregate Subbase, Base, and Surface Courses, **04.08**
*D1242 Withdrawn 2003; Test Methods for Resistance of Plastic Materials to Abrasion*
**D1243-95(2008)** Test Method for Dilute Solution Viscosity of Vinyl Chloride Polymers, **08.01**
**D1244-98(2011)** Practice for Designation of Yarn Construction, **07.01**
**D1245-11** Practice for Examination of Water-Formed Deposits by Chemical Microscopy, **11.02**
**D1246-10** Test Method for Bromide Ion in Water, **11.01**
*D1247 Withdrawn 1987; Method of Sampling Manufactured Gas*
**D1248-12** Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable, **08.01**
*D1249 Withdrawn 2007; Specification for Octyl Ortho-Phthalate Ester Plasticizers*
**D1250-08(2013)** Guide for Use of the Petroleum Measurement Tables, **05.01**
*D1251 Withdrawn 1999; Test Method for Water Vapor Permeability of Packages by Cycle Method*
**D1252-06(2012)ε1** Test Methods for Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water, **11.02**
**D1253-14** Test Method for Residual Chlorine in Water, **11.01**
*D1254 Withdrawn 1981; Method of Test for Nitrite Ion in Water*
*D1255 Withdrawn 1968; Methods of Test for Sulfides in Industrial Water and Industrial Waste Water*
*D1256 Withdrawn 1967; Scheme for Analysis of Industrial Water and Industrial Waste Water*
**D1257-07(2012)** Specification for High-Gravity Glycerin, **06.04**
*D1258 Withdrawn 2011; Test Methods for High-Gravity Glycerin*
**D1259-06(2012)** Test Methods for Nonvolatile Content of Resin Solutions, **06.01**
*D1260 Withdrawn 1966; Method of Test for Color Difference Using the Hunter Multipurpose Reflectometer; Combined with D 2244*
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*D1262 Withdrawn 1991; Test Method for Lead in New and Used Greases*
*D1263 Withdrawn 2010; Test Method for Leakage Tendencies of Automotive Wheel Bearing Greases*
**D1264-12** Test Method for Determining the Water Washout Characteristics of Lubricating Greases, **05.01**
**D1265-11** Practice for Sampling Liquefied Petroleum (LP) Gases, Manual Method, **05.01**
**D1266-13** Test Method for Sulfur in Petroleum Products (Lamp Method), **05.01**
**D1267-12** Test Method for Gage Vapor Pressure of Liquefied Petroleum (LP) Gases (LP-Gas Method), **05.01**
*D1268 Withdrawn 1975; Method of Test for Unsaturated Light Hydrocarbons (Silver-Mercuric Nitrate Method)*
*D1269 Withdrawn 1975; Method of Test for Lead Antiknock Compounds in Gasoline (Polarographic Method)*
*D1270 Withdrawn 1959; Method of Test for Dimensional Changes of Paper with Changes in Moisture Conditions*
*D1271 Withdrawn 1970; Specification for Copperized Chromated Zinc Chloride*
*D1272 Withdrawn 2006; Specification for Pentachlorophenol*
*D1273 Withdrawn 1970; Methods for Chemical Analysis of Copperized Chromated Zinc Chloride*
*D1274 Withdrawn 2006; Test Methods for Chemical Analysis of Pentachlorophenol*
**D1275-06** Test Method for Corrosive Sulfur in Electrical Insulating Oils, **10.03**
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*D1277 Withdrawn 1972; Specification for Nonrigid Thermoplastic Compounds for Automotive and Aeronautical Applications*
**D1278-91a(2011)** Test Methods for Rubber from Natural Sources - Chemical Analysis, **09.01**
*D1279 Withdrawn 1999; Test Method for Buffering Action of Metal Cleaners*
**D1280-00(2007)** Guide for Total Immersion Corrosion Test for Soak Tank Metal Cleaners, **15.04**
*D1281 Withdrawn 1989; Test Method for Rinsing Properties of Metal Cleaners*
**D1282-05(2009)** Test Method for Resistance to Airflow as an Indication of Average Fiber Diameter of Wool Top, Card Sliver, and Scoured Wool, **07.01**
**D1283-05(2013)** Test Method for Alkali-Solubility of Wools, **07.01**
*D1284 Withdrawn 1991; Test Methods for Relaxation and Consolidation Dimensional Changes of Stabilized Knit Wool Fabrics*
*D1285 Withdrawn 1967; Tolerances for Yarns Containing Wool; Replaced by D2644, D2645*
*D1286 Withdrawn 1983; Method of Test for Effect of Mold Contamination on Permanence of Adhesives Preparations and Adhesives Bonds; Replaced by D4300*
**D1287-11** Test Method for pH of Engine Coolants and Antirusts, **15.05**
*D1288 Withdrawn 1985; Method of Test for Total Ash and Silica in Water-Emulsion Polishes*
*D1289 Withdrawn 1969; Method of Test for Nonvolatile Matter (Total Solids) in Water-Emulsion Waxes; Replaced by D2834*
**D1290-95(2008)** Test Method for Sediment in Water-Emulsion Polishes by Centrifuge, **15.04**
**D1291-06(2011)** Practice for Estimation of Chlorine Demand of Water, **11.02**
**D1292-10** Test Method for Odor in Water, **11.01**
**D1293-12** Test Methods for pH of Water, **11.01**
**D1294-05(2013)** Test Method for Tensile Strength and Breaking Tenacity of Wool Fiber Bundles 1-in. (25.4-mm) Gage Length, **07.01**
*D1295 Withdrawn 1978; Method of Test for Wrinkle Recovery of Textile Fabrics Using the Vertical Strip Apparatus*
**D1296-01(2012)** Test Method for Odor of Volatile Solvents and Diluents, **06.04**
*D1297 Withdrawn 1967; Method of Test for No-Dirt-Retention Time of Traffic Paint*
**D1298-12b** Test Method for Density, Relative Density, or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method, **05.01**
*D1299 Withdrawn 1992; Test Method for Shrinkage of Molded and Laminated Thermosetting Plastics at Elevated Temperature*
*D1300 Withdrawn 1963; Specification and Methods of Test for Laminated Thermosetting Decorative Sheets*
**D1301-91(2008)** Test Methods for Chemical Analysis of White Lead Pigments, **06.03**
*D1302 Withdrawn 1968; Method for Analysis of Carbureted Water Gas by the Mass Spectrometer*
*D1303 Withdrawn 1986; Method of Test for Total Chlorine in Vinyl Chloride Polymers and Copolymers*
**D1304-99(2012)** Test Methods for Adhesives Relative to Their Use as Electrical Insulation, **15.06**
**D1305-99(2009)** Specification for Electrical Insulating Paper and Paperboard—Sulfate (Kraft) Layer Type, **10.01**
*D1306 Withdrawn 2004; Test Method for Phthalic Anhydride Content of Alkyd Resins and Esters Containing Other Dibasic Acids (Gravimetric)*
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**D1308-02(2013)** Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes, **06.02**
**D1309-93(2010)** Test Method for Settling Properties of Traffic Paints During Storage, **06.02**
**D1310-01(2007)** Test Method for Flash Point and Fire Point of Liquids by Tag Open-Cup Apparatus, **06.01**
*D1311 Withdrawn 1968; Method of Test for Viscosity Reduction Power of Hydrocarbon Solvents*
*D1312 Withdrawn 2007; Test Methods for Apparent Free Phenols in Synthetic Phenolic Resins or Solutions Used for Coating Purposes*
*D1313 Withdrawn 1988; Method of Test for Sludge Formation in Mineral Transformer Oil by High-Pressure Oxidation Bomb*
*D1314 Withdrawn 1965; Method of Test for Sludge Formation in Mineral Transformer Oil by Sludge Accumulation; Replaced by D2440*
*D1315 Withdrawn 1981; Method of Test for Water in Insulating Oils by Extraction*
**D1316-06(2011)** Test Method for Fineness of Grind of Printing Inks By the NPIRI Grindometer, **06.02**
*D1317 Withdrawn 1994; Test Method for Chlorine in New and Used Lubricants (Sodium Alcoholate Method)*
**D1318-00(2011)** Test Method for Sodium in Residual Fuel Oil (Flame Photometric Method), **05.01**
**D1319-13** Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption, **05.01**
*D1320 Withdrawn 1991; Test Method for Tensile Strength of Paraffin Wax*
**D1321-10** Test Method for Needle Penetration of Petroleum Waxes, **05.01**
**D1322-12$^{\epsilon 1}$** Test Method for Smoke Point of Kerosine and Aviation Turbine Fuel, **05.01**
*D1323 Withdrawn 1980; Methods of Test for Mercaptan Sulfur in Aviation Turbine Fuels; Replaced by D3227*
*D1324 Withdrawn 2000; Specification for Modified Wood*
*D1325 Withdrawn 2006; Specification for Ammoniacal Copper Arsenate and Ammoniacal Copper Zinc Arsenate*
*D1326 Withdrawn 2006; Test Method for Chemical Analysis of Ammoniacal Copper Arsenate and Ammoniacal Copper Zinc Arsenate*
**D1327/D1327M-04(2012)$^{\epsilon 1}$** Specification for Bitumen-Saturated Woven Burlap Fabrics Used in Roofing and Waterproofing, **04.04**
*D1328 Withdrawn 1992; Test Method for Staining Properties of Asphalt; Replaced by D2746*
**D1329-08** Test Method for Evaluating Rubber Property—Retraction at Lower Temperatures (TR Test), **09.01**
**D1330-04(2010)** Specification for Rubber Sheet Gaskets, **09.02**
**D1331-11** Test Methods for Surface and Interfacial Tension of Solutions of Surface-Active Agents, **06.01**
*D1332 Withdrawn 1972; Methods of Test for Build-Up and Spread of Glass Yarn As Wrap (Serving) or Braid Over Electrical Conductors; Replaced by D668*
*D1333 Withdrawn 1960; Methods of Testing Elastic Fabrics; Replaced by D1775*
**D1334-05(2009)** Test Method for Wool Content of Raw Wool—Commercial Scale, **07.01**
**D1335-12** Test Method for Tuft Bind of Pile Yarn Floor Coverings, **07.01**
**D1336-07(2011)** Test Method for Distortion of Yarn in Woven Fabrics, **07.01**
**D1337-10** Practice for Storage Life of Adhesives by Viscosity and Bond Strength, **15.06**
**D1338-99(2011)** Practice for Working Life of Liquid or Paste Adhesives by Consistency and Bond Strength, **15.06**
*D1339 Withdrawn 1990; Test Methods for Sulfite Ion in Water*
*D1340 Withdrawn 1971; Method of Test for Oily Matter in Industrial Waste Water*
*D1341 Withdrawn 1974; Method for Determination of Thickness of Internal Deposits on Tubular Heat Exchange Surfaces*
*D1342 Withdrawn 2007; Test Method for Paraffin-Type Hydrocarbons in Carnauba Wax*
**D1343-95(2011)** Test Method for Viscosity of Cellulose Derivatives by Ball-Drop Method, **06.03**
*D1344 Withdrawn 1987; Methods of Testing Cross-Lap Specimens for Tensile Properties of Adhesives*
*D1345 Withdrawn 1985; Method of Test for Evaluating Acute Toxicity of Water to Fresh-Water Fishes*
*D1346 Withdrawn 1986; Methods of Testing Electrical Insulating Varnishes for 180°C and Above; Replaced by D115*
*D1347 Withdrawn 2003; Test Methods for Methylcellulose*
**D1348-94(2008)** Test Methods for Moisture in Cellulose, **06.03**
**D1349-09** Practice for Rubber—Standard Temperatures for Testing, **09.01**
*D1350 Withdrawn 1965; Specification for Construction of Rubber Insulated Wire and Cable*
**D1351-08** Specification for Thermoplastic Polyethylene Insulation for Electrical Wire and Cable, **10.01**
*D1352 Withdrawn 2006; Specification for Ozone-Resisting Butyl Rubber Insulation for Wire and Cable*
**D1353-13** Test Method for Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer, and Related Products, **06.04**
*D1354 Withdrawn 1979; Method of Test for Concentration of Odorous Vapors (Adsorption Method)*
*D1355 Withdrawn 1980; Method of Continous Analysis and Automatic Recording of the Sulfur Dioxide Content of the Atmosphere*
**D1356-14a** Terminology Relating to Sampling and Analysis of Atmospheres, **11.07**
**D1357-95(2011)** Practice for Planning the Sampling of the Ambient Atmosphere, **11.07**
*D1358 Withdrawn 2003; Test Method for Spectrophotometric Diene Value of Dehydrated Castor Oil and Its Derivatives*
*D1359 Withdrawn 1967; Method of Test for No-Smear Time of Traffic Paint*
**D1360-98(2011)** Test Method for Fire Retardancy of Paints (Cabinet Method), **06.01**
*D1361 Withdrawn 1977; Method of Test for Wire Retardancy of Points (Stick and Wick Method)*

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**D1363-06(2011)** Test Method for Permanganate Time of Acetone and Methanol, **06.04**
**D1364-02(2012)** Test Method for Water in Volatile Solvents (Karl Fischer Reagent Titration Method), **06.04**
*D1365 Withdrawn 1966; Method of Test for Color Difference Using Color Difference Meters of the Hunterlab or Gardner Types; Combined with D 2244*
**D1366-86(2012)** Practice for Reporting Particle Size Characteristics of Pigments, **06.03**
*D1367 Withdrawn 2006; Test Method for Lubricating Qualities of Graphites*
*D1368 Withdrawn 1994; Test Method for Trace Concentrations of Lead in Primary Reference Fuels*
**D1369-84(2012)** Practice for Quantities of Materials for Bituminous Surface Treatments, **04.03**
**D1370/D1370M-12** Test Method for Contact Compatibility Between Asphaltic Materials (Oliensis Test), **04.04**
*D1371 Withdrawn 1983; Recommended Practice for Cleaning Plastic Specimens for Industrial Resistance, Surface Resistance, and Volume Resistivity Testing*
*D1372 Withdrawn 1980; Methods of Testing Package Cushioning Materials*
*D1373 Withdrawn 1987; Specification for Medium-Voltage Rubber Insulating Tape*
*D1374 Withdrawn 2000; Test Method of Aerated Total Immersion Corrosion Test for Metal Cleaners*
*D1375 Withdrawn 1977; Tests for Pilling Resistance and Other Related Surface Changes of Textile Fabrics; Replaced by D3511, D3512*
*D1376 Withdrawn 1980; Methods of Testing Warp Knit Fabrics; Replaced by D3887*
*D1377 Withdrawn 1960; Methods of Testing Wide Elastic Fabrics; Replaced by D1775*
*D1378 Withdrawn 1957; Methods of Test for Absorbency Time and Absorptive Capacity of Nonwoven Fabrics; Combined with D 1117*
*D1379 Withdrawn 1976; Abrasion Resistance of Textile Yarns*
*D1380 Withdrawn 1967; Methods of Testing Spun and Filament Yarns Made Wholly or in Part of Man-Made Organic Base Fibers; Replaced by D1422, D1423, D1907, D2256, D2257, D2494*
*D1381 Withdrawn 1981; Specification for Fineness of Mohair Top and Assignment of Grade; Replaced by D3992*
*D1382 Withdrawn 1991; Test Method for Susceptibility of Dry Adhesive Films to Attack by Roaches*
*D1383 Withdrawn 1991; Test Method for Susceptibility of Dry Adhesive Films to Attack by Laboratory Rats*
**D1384-05(2012)** Test Method for Corrosion Test for Engine Coolants in Glassware, **15.05**
**D1385-07(2013)ε1** Test Method for Hydrazine in Water, **11.01**
**D1386-10** Test Method for Acid Number (Empirical) of Synthetic and Natural Waxes, **15.04**
**D1387-89(2012)** Test Method for Saponification Number (Empirical) of Synthetic and Natural Waxes, **15.04**
**D1388-14** Test Method for Stiffness of Fabrics, **07.01**
*D1389 Withdrawn 2013; Test Method for Proof-Voltage Testing of Thin Solid Electrical Insulating Materials*
*D1390 Withdrawn 1989; Test Method for Rubber Property—Stress Relaxation in Compression*
*D1391 Withdrawn 1987; Method for Measurement of Odor in Atmospheres (Dilution Method)*
*D1392 Withdrawn 2007; Specification for Safflower Oil*
*D1393 Withdrawn 1977; Method of Test for Flash Point of Drying Oils*
**D1394-76(2009)** Test Methods for Chemical Analysis of White Titanium Pigments, **06.03**
*D1395 Withdrawn 1989; Test Method for Abrasion Resistance of Clear Floor Coatings*
*D1396 Withdrawn 2007; Test Methods for Chemical Analysis of Poly(Vinyl Butyral)*
*D1397 Withdrawn 2007; Test Method for Unsaponifiable Matter in Alkyd Resins and Resin Solutions*
*D1398 Withdrawn 2007; Test Method for Fatty Acid Content of Alkyd Resins and Alkyd Resin Solutions*
*D1399 Withdrawn 2005; Test Method for Unsaponifiable Contents of Tricresyl Phosphate*
*D1400 Withdrawn 2006; Test Method for Nondestructive Measurement of Dry Film Thickness of Nonconductive Coatings Applied to a Nonferrous Metal Base; Replaced by D7091*
**D1401-12** Test Method for Water Separability of Petroleum Oils and Synthetic Fluids, **05.01**
*D1402 Withdrawn 1985; Method of Test for Effect of Copper on Oxidation Stability of Lubricating Greases by the Oxygen Bomb Method*
**D1403-10** Test Methods for Cone Penetration of Lubricating Grease Using One-Quarter and One-Half Scale Cone Equipment, **05.01**
**D1404/D1404M-99(2008)** Test Method for Estimation of Deleterious Particles in Lubricating Grease, **05.01**
**D1405/D1405M-08(2013)** Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, **05.01**
*D1406 Withdrawn 1996; Practice for Liquid Calibration of Tanks*
*D1407 Withdrawn 1996; Practice for Measurement and Calibration of Barge Tanks*
*D1408 Withdrawn 1996; Practice for Measurement and Calibration of Spherical and Spheroidal Tanks (Available as Separate Reprint Only)*
*D1409 Withdrawn 1996; Practice for Measurement and Calibration of Tank Car Tanks*
*D1410 Withdrawn 1996; Practice for Measurement and Calibration of Stationary Horizontal Tanks*
**D1411-09** Test Methods for Water-Soluble Chlorides Present as Admixtures in Graded Aggregate Road Mixes, **04.08**
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**D1414-94(2013)** Test Methods for Rubber O-Rings, **09.02**
**D1415-06(2012)** Test Method for Rubber Property—International Hardness, **09.01**
*D1416 Withdrawn 1996; Test Methods for Rubber from Synthetic Sources—Chemical Analysis; Replaced by D5667*
**D1417-10** Test Methods for Rubber Latices—Synthetic, **09.01**
**D1418-10a** Practice for Rubber and Rubber Latices—Nomenclature, **09.01**
*D1419 Withdrawn 1964; Recommended Practice for Description of Types of Styrene Butadiene Rubbers (SBR) and Butadiene Rubbers (BR)*
*D1420 Withdrawn 1964; Recommended Practice for Description of Types of Styrene Butadiene Rubber (SBR) and Butadiene Rubbers (BR) Latices*
*D1421 Withdrawn 1977; Recommended Practice for Interlaboratory Testing of Rubber and Rubber-Like Materials*
**D1422/D1422M-13** Test Method for Twist in Single Spun Yarns by the Untwist-Retwist Method, **07.01**
**D1423-02(2008)** Test Method for Twist in Yarns by Direct-Counting, **07.01**
**D1424-09(2013)** Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus, **07.01**
*D1425 Withdrawn 2005; Test Method for Unevenness of Textile Strands Using Capacitance Testing Equipment*
**D1425/D1425M-14** Test Method for Evenness of Textile Strands Using Capacitance Testing Equipment, **07.01**
**D1426-08** Test Methods for Ammonia Nitrogen In Water, **11.01**
*D1427 Withdrawn 1982; Methods of Test for Residual Chlorine in Waste Water*
*D1428 Withdrawn 1990; Test Methods for Sodium and Potassium in Water and Water-Formed Deposits by Flame Photometry*
**D1429-13** Test Methods for Specific Gravity of Water and Brine, **11.01**
**D1430-11** Classification System for Polychlorotrifluoroethylene (PCTFE) Plastics, **08.01**
*D1431 Withdrawn 1985; Specification for Styrene-Acrylonitrile Copolymer Molding and Extrusion Materials; Replaced by D4203*
*D1432 Withdrawn 1964; Specification for Nonrigid Vinyl Chloride Polymer and Copolymer Extrusion Compounds; Replaced by D2287*
*D1433 Withdrawn 1987; Method of Test for Rate of Burning and or Extent and Time of Burning of Flexible Thin Plastic Sheeting Supported on a 45° Incline*
**D1434-82(2009)ε1** Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting, **15.10**
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**D1436-97(2008)** Test Methods for Application of Emulsion Floor Polishes to Substrates for Testing Purposes, **15.04**
*D1437 Withdrawn 1985; Method of Test for Flash Point of Solvent-Type Liquid Waxes*
*D1438 Withdrawn 1960; Method of Test for Pentosans in Cellulose (Aniline Acetate Colorimetric Method); Replaced by D1787*
**D1439-03(2008)ε1** Test Methods for Sodium Carboxymethylcellulose, **06.03**
**D1440-07(2012)** Test Method for Length and Length Distribution of Cotton Fibers (Array Method), **07.01**
**D1441-12** Practice for Sampling Cotton Fibers for Testing, **07.01**
**D1442-06(2012)** Test Method for Maturity of Cotton Fibers (Sodium Hydroxide Swelling and Polarized Light Procedures), **07.01**
*D1443 Withdrawn 1964; Method of Test for Maturity of Cotton Fibers (Random Sample-Sodium Hydroxide Swelling Method); Replaced by D1442*
*D1444 Withdrawn 1979; Method of Test for Cross-Sectional Characteristics of Cotton Fibers*
**D1445/D1445M-12** Test Method for Breaking Strength and Elongation of Cotton Fibers (Flat Bundle Method), **07.01**
*D1446 Withdrawn 1978; Method of Test for Number of Neps in Cotton Samples*
**D1447-07(2012)ε1** Test Method for Length and Length Uniformity of Cotton Fibers by Photoelectric Measurement, **07.01**
**D1448-11** Test Method for Micronaire Reading of Cotton Fibers, **07.01**
*D1449 Withdrawn 1978; Method of Test for Specific Area and Immaturity Ratio of Cotton Fibers (Arealometer Method)*
*D1450 Withdrawn 1968; Method of Test for Maturity of Cotton Fibers (Polarized-Light Method); Replaced by D1442*
*D1451 Withdrawn 1969; Method of Test for Non-Lint Content of Cotton (Shirley Analyzer Method); Replaced by D2812*
**D1452-09** Practice for Soil Exploration and Sampling by Auger Borings, **04.08**
*D1453 Withdrawn 1967; Tolerances for Spun Rayon and Acetate Yarns; Replaced by D4645*
*D1454 Withdrawn 1967; Tolerances for Yarns Spun from Mixed Fibers; Replaced by D4644, D4645*
**D1455-87(2008)** Test Method for 60° Specular Gloss of Emulsion Floor Polish, **15.04**
**D1456-86(2010)** Test Method for Rubber Property—Elongation at Specific Stress, **09.01**
*D1457 Withdrawn 1996; Specification for Polytetrafluoroethylene (PTFE) Molding and Extrusion Materials; Replaced by D4894, D4895*

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**D1458-13** Test Methods for Fully Cured Silicone Rubber-Coated Glass Fabric and Tapes for Electrical Insulation, **10.01**
*D1459 Withdrawn 2009; Specification for Silicone Varnished Glass Cloth and Tape for Electrical Insulation*
**D1460-86(2010)** Test Method for Rubber Property—Change in Length During Liquid Immersion, **09.01**
**D1461-11** Test Method for Moisture or Volatile Distillates in Bituminous Paving Mixtures, **04.03**
*D1462 Withdrawn 2007; Specification for Refined Soybean Oil*
*D1463 Withdrawn 1989; Specification for Biaxially Oriented Styrene Plastics Sheet*
**D1464-12** Practice for Differential Dyeing Behavior of Cotton, **07.01**
**D1465-10** Test Method for Blocking and Picking Points of Petroleum Wax, **05.01**
*D1466 Withdrawn 2003; Test Method for Sampling Liquid Oils and Fatty Acids Commonly Used in Paints, Varnishes, and Related Materials*
*D1467 Withdrawn 2003; Guide for Testing Fatty Acids Used in Protective Coatings*
*D1468 Withdrawn 2005; Test Method for Volatile Matter in Tricresyl Phosphate*
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*D1470 Withdrawn 1962; Method of Test for Dimensional Change of Knit Fabrics*
*D1471 Withdrawn 1976; Method of Test for Two-Parameter, 60° Specular Gloss*
*D1472 Withdrawn 1972; Method of Test for Set Time for Thermosetting Phenol-Formaldehyde Varnishes*
*D1473 Withdrawn 1988; Method of Test for 2,6-ditertiary-*Butyl *para-*Cresol in Electrical Insulating Oils
**D1474-98(2008)** Test Methods for Indentation Hardness of Organic Coatings, **06.01**
**D1475-98(2012)** Test Method For Density of Liquid Coatings, Inks, and Related Products, **06.01**
**D1476-02(2012)** Test Method for Heptane Miscibility of Lacquer Solvents, **06.04**
*D1477 Withdrawn 1967; Method of Test for Freezing Point of Aviation Fuels; Replaced by D2386*
**D1478-11** Test Method for Low-Temperature Torque of Ball Bearing Grease, **05.01**
*D1479 Withdrawn 1988; Method of Test for Emulsion Stability of Soluble Cutting Oils*
**D1480-12** Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Bingham Pycnometer, **05.01**
**D1481-12** Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Lipkin Bicapillary Pycnometer, **05.01**
*D1482 Withdrawn 1966; Method of Test for Color Difference Using the General Electric Spectrophotometer; Combined with D 2244*
**D1483-12** Test Method for Oil Absorption of Pigments by Gardner-Coleman Method, **06.01**
*D1484 Withdrawn 1965; Method of Test for Penetration of Hard Rubber by Type D Durometer; Replaced by D2240*
**D1485-07(2011)** Practice for Rubber from Natural Sources—Sampling and Sample Preparation, **09.01**
*D1486 Withdrawn 1968; Methods of Testing Tufted Pile Floor Coverings*
*D1487 Withdrawn 1962; Method of Test for Shrinkage in Laundering and Dimensional Restorability of Warp Knit Fabrics*
**D1488-00(2013)** Test Method for Amylaceous Matter in Adhesives, **15.06**
**D1489-09** Test Method for Nonvolatile Content of Aqueous Adhesives, **15.06**
**D1490-01(2013)** Test Method for Nonvolatile Content of Urea-Formaldehyde Resin Solutions, **15.06**
*D1491 Withdrawn 1986; Method of Test for Bromine Index of Aromatic Hydrocarbons by Potentiometric Titration*
**D1492-13** Test Method for Bromine Index of Aromatic Hydrocarbons by Coulometric Titration, **06.04**
*D1493 Withdrawn 2004; Test Method for Solidification Point of Industrial Organic Chemicals*
**D1494-12** Test Method for Diffuse Light Transmission Factor of Reinforced Plastics Panels, **08.03**
*D1495 Withdrawn 1966; Method of Test for Color Difference Using the Color Eye; Combined with D 2244*
*D1496 Withdrawn 1975; Methods of Sampling Homogenous Waste Water; Replaced by D3370*
*D1497 Withdrawn 1962; Method of Test for Iron in High-Purity Industrial Water; Replaced by D1068*
**D1498-14** Test Method for Oxidation-Reduction Potential of Water, **11.01**
**D1499-13** Practice for Filtered Open-Flame Carbon-Arc Exposures of Plastics, **08.01**
**D1500-12** Test Method for ASTM Color of Petroleum Products (ASTM Color Scale), **05.01**
*D1501 Withdrawn 1981; Recommended Practice for Exposure of Plastics to Fluorescent Sunlamp*
*D1502 Withdrawn 1984; Method of Test for Transverse Load of Corrugated Reinforced Plastic Panels*
*D1503 Withdrawn 1964; Specification for Cellulose Acetate Butyrate (CAB) Plastic Pipe, Schedule 40*
*D1504 Withdrawn 1989; Recommended Practice for Determining Orientation Release Stress of Plastic Sheeting*
**D1505-10** Test Method for Density of Plastics by the Density-Gradient Technique, **08.01**
**D1506-99(2013)** Test Methods for Carbon Black—Ash Content, **09.01**
*D1507 Withdrawn 1960; Method of Test for Attrition of Pelleted Carbon Black*
**D1508-12** Test Method for Carbon Black, Pelleted Fines and Attrition, **09.01**
**D1509-95(2012)** Test Methods for Carbon Black—Heating Loss, **09.01**
**D1510-13** Test Method for Carbon Black—Iodine Adsorption Number, **09.01**
**D1511-12** Test Method for Carbon Black—Pellet Size Distribution, **09.01**
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**D1513-05(2012)** Test Method for Carbon Black, Pelleted—Pour Density, **09.01**
**D1514-04(2011)** Test Method for Carbon Black—Sieve Residue, **09.01**
*D1515 Withdrawn 1970; Method of Test for Area of Leather*
**D1516-05(2010)** Test Method for Width of Leather, **15.04**
**D1517-10** Terminology Relating to Leather, **15.04**
**D1518-14** Test Method for Thermal Resistance of Batting Systems Using a Hot Plate, **07.01**
**D1519-95(2009)ε1** Test Methods for Rubber Chemicals—Determination of Melting Range, **09.01**
*D1520 Withdrawn 1984; Specification for Synthetic Rubber Heat- or Moisture-Resisting Insulation for Wire and Cable; Replaced by D1679*
*D1521 Withdrawn 1976; Specification for Synthetic Rubber Performance, Moisture-Resisting Insulation for Wire and Cable*
*D1522 Withdrawn 1963; Methods for Testing Carbon Blacks in Natural Rubber*
*D1523 Withdrawn 2011; Specification for Synthetic Rubber Insulation for Wire and Cable, 90°C Operation*
**D1524-94(2010)** Test Method for Visual Examination of Used Electrical Insulating Oils of Petroleum Origin in the Field, **10.03**
**D1525-09** Test Method for Vicat Softening Temperature of Plastics, **08.01**
*D1526 Withdrawn 1964; Method of Test for Determination of Bierbaum Scratch Hardness of Plastic Materials*
**D1527-99(2005)** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe, Schedules 40 and 80, **08.04**
*D1528 Withdrawn 1964; Specification for Dimensions of Solvent Welded (SWP Size) Extruded Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe*
*D1529 Withdrawn 1966; Specification and Methods of Test for Random Chopped-Glass Fiber Mats for Reinforced Plastics*
*D1530 Withdrawn 1962; Method of Test for Tensile Modulus of Elasticity of Thin Plastic Sheeting; Combined with D 882*
*D1531 Withdrawn 2012; Test Methods for Relative Permittivity (Dielectric Constant) and Dissipation Factor by Fluid Displacement Procedures*
*D1532 Withdrawn 1992; Specification for Polyester Glass-Mat Sheet Laminate; Replaced by D709*
**D1533-12** Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration, **10.03**
**D1534-95(2008)** Test Method for Approximate Acidity in Electrical Insulating Liquids by Color-Indicator Titration, **10.03**
**D1535-13** Practice for Specifying Color by the Munsell System, **06.01**
*D1536 Withdrawn 1966; Method of Test for Color Difference Using the Colormaster Differential Calorimeter; Combined with D 2244*
*D1537 Withdrawn 2007; Specification for Distilled Soybean Fatty Acids*
*D1538 Withdrawn 2007; Specification for Distilled Linseed Fatty Acids*
*D1539 Withdrawn 2007; Specification for Dehydrated Castor Acids*
*D1540 Withdrawn 1992; Practice for Effect of Chemical Agents on Organic Finishes Used in the Transportation Industry*
*D1541 Withdrawn 2006; Test Method for Total Iodine Value of Drying Oils and Their Derivatives*
*D1542 Withdrawn 1997; Test Method for Qualitative Detection of Rosin in Varnishes*
*D1543 Withdrawn 1992; Test Method for Color Permeance of White Architectural Enamels*
**D1544-04(2010)** Test Method for Color of Transparent Liquids (Gardner Color Scale), **06.01**
**D1545-13** Test Method for Viscosity of Transparent Liquids by Bubble Time Method, **06.01**
*D1546 Withdrawn; Practice for Testing the Performance of Clear Floor Sealers*
*D1547 Withdrawn 1990; Specification for Extruded Acrylic Plastic Sheet*
*D1548 Withdrawn 1997; Test Method for Vanadium in Navy Special Fuel Oil*
*D1549 Withdrawn 1985; Method of Test for Zinc in Lubricating Oils and Additives (Polarographic Method)*
**D1550-94(2009)** Standard ASTM Butadiene Measurement Tables, **05.01**
*D1551 Withdrawn 1977; Method of Test for Sulfur in Petroleum Oils (Quartz-Tube Method)*
**D1552-08** Test Method for Sulfur in Petroleum Products (High-Temperature Method), **05.01**
*D1553 Withdrawn 1991; Method for Analysis of Graphites Used as Lubricants*
**D1554-10** Terminology Relating to Wood-Base Fiber and Particle Panel Materials, **04.10**
**D1555-09** Test Method for Calculation of Volume and Weight of Industrial Aromatic Hydrocarbons and Cyclohexane, **06.04**
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*D1559 Withdrawn 1998; Test Method for Resistance to Plastic Flow of Bituminous Mixtures Using Marshall Apparatus*
**D1560-09a** Test Methods for Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus, **04.03**
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**D1562-09** Classification System and Basis for Specification for Cellulose Acetate Propionate Molding and Extrusion Compounds, **08.01**
*D1563 Withdrawn 1985; Method of Test for Peroxide Number of Mineral Insulating Oils*
*D1564 Withdrawn 1979; Testing Flexible Cellular Materials—Slab Urethane Foam; Replaced by D3574*
*D1565 Withdrawn 1998; Specification for Flexible Cellular Materials—Vinyl Chloride Polymers and Copolymers (Open-Cell Foam)*
*D1567 Withdrawn 2000; Test Method for Detergent Cleaners for Evaluation of Corrosive Effects on Certain Porcelain Enamels*
**D1568-05(2014)** Test Methods for Sampling and Chemical Analysis of Alkylbenzene Sulfonates, **15.04**
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*D1572 Withdrawn 1962; Specification and Methods of Test for Industrial Asbestos Tapes*
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*D1580 Withdrawn 1992; Specification for Liquid Adhesives for Automatic Machine Labeling of Glass Bottles*
*D1581 Withdrawn 1992; Test Method for Bonding Permanency of Water- or Solvent-Soluble Liquid Adhesives for Labeling Glass Bottles*
**D1582-98(2011)** Test Method for Nonvolatile Content of Liquid Phenol, Resorcinol, and Melamine Adhesives, **15.06**
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*D1584 Withdrawn 1992; Test Method for Water Absorptiveness of Paper Labels*
**D1585-96(2011)** Test Methods for Fatty Acids Content of Naval Stores, Including Rosin, Tall Oil, and Related Products, **06.03**
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*D1588 Withdrawn 1984; Methods of Test for Dissolved and Gaseous Hydrogen in Water*
*D1589 Withdrawn 1981; Methods of Test for Dissolved Oxygen in Waste Water*
*D1590 Withdrawn 1995; Test Method for Surface Tension of Water*
*D1591 Withdrawn 1967; Method of Test for Effect of Water in Tubular Heat Exchangers*
*D1592 Withdrawn 1962; Specification for Glass Fabric Reinforced Epoxy Resin Laminates; Combined with D 709*
**D1593-13** Specification for Nonrigid Vinyl Chloride Plastic Film and Sheeting, **08.01**
*D1594 Withdrawn 1961; Specification for Methylstyrene-Acrylonitrile Copolymer Molding and Extrusion Material*
*D1595 Withdrawn 1960; Specification for Polymethylstyrene Molding and Extrusion Material*
**D1596-97(2011)** Test Method for Dynamic Shock Cushioning Characteristics of Packaging Material, **15.10**
*D1597 Withdrawn 1984; Method of Test for Melamine Content of Nitrogen Resins*
**D1598-02(2009)** Test Method for Time-to-Failure of Plastic Pipe Under Constant Internal Pressure, **08.04**
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*D1602 Withdrawn 1989; Test Method for Bearing Load of Corrugated Reinforced Plastics Panels*
**D1603-12** Test Method for Carbon Black Content in Olefin Plastics, **08.01**
*D1604 Withdrawn 1982; Method for Measurement of Flatness of Plasitcs Sheet or Tubing*
*D1605 Withdrawn 1992; Practices for Sampling Atmospheres for Analysis of Gases and Vapors*
*D1606 Withdrawn 1977; Method of Test for Inorganic Fluoride in the Atmosphere; Replaced by D32666, D3267, D3268, D3269, D3270*
**D1607-91(2011)** Test Method for Nitrogen Dioxide Content of the Atmosphere (Griess-Saltzman Reaction), **11.07**
**D1608-98(2009)** Test Method for Oxides of Nitrogen in Gaseous Combustion Products (Phenol-Disulfonic Acid Procedures), **11.07**
*D1609 Withdrawn 1982; Method of Test for Oxidant Ozone Content of the Atmosphere*
**D1610-01(2013)** Practice for Conditioning Leather and Leather Products for Testing, **15.04**
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*D1612 Withdrawn 2011; Test Method for Acetone in Methanol*
**D1613-06(2012)** Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products, **06.04**
**D1614-09** Test Method for Alkalinity in Acetone, **06.04**
*D1615 Withdrawn 2004; Test Methods for Glycerol, Ethylene Glycol, and Pentaerythritol in Alkyd Resins*
*D1616 Withdrawn 1982; Method of Test for Copper Corrosion by Mineral Spirits (Copper Strip Test); Replaced by D130*
**D1617-07(2012)** Test Method for Ester Value of Solvents and Thinners, **06.04**
**D1618-99(2011)** Test Method for Carbon Black Extractables—Transmittance of Toluene Extract, **09.01**
**D1619-11** Test Methods for Carbon Black—Sulfur Content, **09.01**
*D1620 Withdrawn 1973; Method of Test for Volatile Content of Carbon Black*
**D1621-10** Test Method for Compressive Properties of Rigid Cellular Plastics, **08.01**
**D1622-08** Test Method for Apparent Density of Rigid Cellular Plastics, **08.01**
**D1623-09** Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics, **08.01**
*D1624 Withdrawn 2006; Specification for Acid Copper Chromate*
*D1625 Withdrawn 2006; Specification for Chromated Copper Arsenate*
*D1626 Withdrawn 1970; Specification for Chromated Zinc Arsenate*
*D1627 Withdrawn 2006; Test Methods for Chemical Analysis of Acid Copper Chromate*
*D1628 Withdrawn 2006; Test Methods for Chemical Analysis of Chromated Copper Arsenate*
*D1629 Withdrawn 1970; Method for Chemical Analysis of Chromated Zinc Arsenate*
**D1630-06(2012)** Test Method for Rubber Property—Abrasion Resistance (Footwear Abrader), **09.01**
**D1631-10** Test Method for Water in Phenol and Related Materials by the Iodine Reagent Method, **06.04**
**D1632-07** Practice for Making and Curing Soil-Cement Compression and Flexure Test Specimens in the Laboratory, **04.08**
**D1633-00(2007)** Test Methods for Compressive Strength of Molded Soil-Cement Cylinders, **04.08**
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**D1636-13** Specification for Allyl Molding Compounds, **08.01**
*D1637 Withdrawn 1990; Test Method for Tensile Heat Distortion Temperature of Plastic Sheeting*
*D1638 Withdrawn 1991; Methods of Testing Urethane Foam Isocyanate Raw Materials*
*D1639 Withdrawn 2005; Test Method for Acid Value of Organic Coating Materials*
**D1640-03(2009)** Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature, **06.01**
*D1641 Withdrawn 2013; Practice for Conducting Outdoor Exposure Tests of Varnishes*
*D1642 Withdrawn 1999; Test Methods for Elasticity or Toughness of Varnishes*
*D1643 Withdrawn 1993; Test Methods for Gas Checking and Draft Test of Varnish Films*
**D1644-01(2012)** Test Methods for Nonvolatile Content of Varnishes, **06.01**
*D1645 Withdrawn 1970; Method of Test for Print Resistance of Varnishes; Replaced by D1640*
**D1646-07(2012)** Test Methods for Rubber—Viscosity, Stress Relaxation, and Pre-Vulcanization Characteristics (Mooney Viscometer), **09.01**
*D1647 Withdrawn 2004; Test Methods for Resistance of Dried Films of Varnishes to Water and Alkali*
**D1648-86(2008)** Specification for Basic Lead Silicochromate Pigment, **06.03**
**D1649-01(2012)** Specification for Strontium Chromate Pigment, **06.03**
*D1650 Withdrawn 1997; Test Methods of Sampling and Testing Shellac Varnish*
*D1651 Withdrawn 1982; Method of Test for Phthalic Acid Isomers and Benzoic Acid in Alkyd Resins and Esters*
**D1652-11$^{\epsilon 1}$** Test Method for Epoxy Content of Epoxy Resins, **06.03**
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**D1655-13** Specification for Aviation Turbine Fuels, **05.01**
*D1656 Withdrawn 1969; Method of Test for Knock Characteristics of Motor Fuels Above 100 Octane Number by the Research Method; Replaced by D2699*
**D1657-12$^{\epsilon 1}$** Test Method for Density or Relative Density of Light Hydrocarbons by Pressure Hydrometer, **05.01**
*D1658 Withdrawn 1984; Method of Test for Carbon Number Distribution of Aromatic Compounds in Naphthas by Mass Spectrometry*
*D1659 Withdrawn 1984; Method of Test for Maximum Fluidity Temperature of Residual Fuel Oil*
*D1660 Withdrawn 1992; Test Method for Thermal Stability of Aviation Turbine Fuels; Replaced by D3241*
*D1661 Withdrawn 1990; Test Method for Thermal Stability of U. S. Navy Special Fuel Oil*
**D1662-08** Test Method for Active Sulfur in Cutting Oils, **05.01**

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*D1663 Withdrawn 1976; Specification for Hot-Mixed, Hot-Laid Asphalt Paving Mixtures; Replaced by D3515*
*D1664 Withdrawn 1992; Test Method for Coating and Stripping of Bitumen-Aggregate Mixtures*
**D1665-98(2009)** Test Method for Engler Specific Viscosity of Tar Products, **04.03**
**D1666-11** Test Methods for Conducting Machining Tests of Wood and Wood-Base Panel Materials, **04.10**
**D1667-05(2011)** Specification for Flexible Cellular Materials—Poly (Vinyl Chloride) Foam (Closed-Cell), **08.01**
**D1668-97a(2006)** Specification for Glass Fabrics (Woven and Treated) for Roofing and Waterproofing, **04.04**
**D1669/D1669M-07(2013)$^{\varepsilon 1}$** Practice for Preparation of Test Panels for Accelerated and Outdoor Weathering of Bituminous Coatings, **04.04**
**D1670/D1670M-11** Test Method for Failure End Point in Accelerated and Outdoor Weathering of Bituminous Materials, **04.04**
*D1671 Withdrawn 1984; Method of Test for Absorbed Gamma Radiation Dose in the Fricke Dosimeter; Replaced by E1026*
*D1672 Withdrawn 1984; Recommended Practices for Exposure of Polymeric Materials to High-Energy Radiation; Replaced by E1027*
*D1673 Withdrawn 2006; Test Methods for Relative Permittivity And Dissipation Factor of Expanded Cellular Polymers Used For Electrical Insulation*
*D1674 Withdrawn 1992; Methods of Testing Polymerizable Embedding Compounds Used for Electrical Insulation*
**D1675-03(2011)** Test Methods for Polytetrafluoroethylene Tubing, **10.01**
**D1676-03(2011)** Test Methods for Film-Insulated Magnet Wire, **10.02**
**D1677-02(2011)** Methods for Sampling and Testing Untreated Mica Paper Used for Electrical Insulation, **10.01**
*D1678 Withdrawn 1962; Methods of Testing Flexible Vinyl Plastic Coated Sleeving Used for Electrical Insulation*
*D1679 Withdrawn 2006; Specification for Synthetic Rubber Heat-and Moisture-Resisting Insulation for Wire and Cable, 75 °C Operation*
*D1680 Withdrawn 1989; Methods of Testing Rubber Hose for Automotive Air Conditioning Systems*
**D1681-05(2014)** Test Method for Synthetic Anionic Active Ingredient in Detergents by Cationic Titration Procedure, **15.04**
*D1682 Withdrawn 1992; Test Methods for Breaking Load and Elongation of Textile Fabric; Replaced by D5034 and D5035*
**D1683/D1683M-11a** Test Method for Failure in Sewn Seams of Woven Apparel Fabrics, **07.01**
**D1684-07(2012)** Practice for Lighting Cotton Classing Rooms for Color Grading, **07.01**
*D1685 Withdrawn 2009; Test Method for Traces of Thiophene in Benzene by Spectrophotometry*
**D1686-10** Test Method for Color of Solid Aromatic Hydrocarbons and Related Materials in the Molten State (Platinum-Cobalt Scale), **06.04**
**D1687-12** Test Methods for Chromium in Water, **11.01**
**D1688-12** Test Methods for Copper in Water, **11.01**
*D1689 Withdrawn 1964; Method of Test for Silica in High-Purity Water; Combined with D 859*
*D1690 Withdrawn 1981; Test for Gamma Radioactivity of Water*
**D1691-12** Test Methods for Zinc in Water, **11.01**
*D1692 Withdrawn 1978; Method of Test for Rate of Burning or Extent and Time of Burning of Cellular Plastics Using a Specimen Supported by a Horizontal Screen*
**D1693-13** Test Method for Environmental Stress-Cracking of Ethylene Plastics, **08.01**
*D1694 Withdrawn 2005; Specification for Threads 60° (Stub) for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe*
**D1695-07(2012)** Terminology of Cellulose and Cellulose Derivatives, **06.03**
**D1696-95(2011)** Test Method for Solubility of Cellulose in Sodium Hydroxide, **06.03**
*D1697 Withdrawn 1974; Method of Sampling Casein and Similar Protein Materials*
**D1698-03(2008)** Test Method for Sediments and Soluble Sludge in Service-Aged Insulating Oils, **10.03**
*D1699 Withdrawn 1967; Method of Test for Bond Strength of Leather Belting*
*D1700 Withdrawn 1963; Specification for Low Voltage Rubber Insulating Gloves; Combined with D 120*
*D1701 Withdrawn 2000; Test Methods for Scavenger Content of Askarels*
*D1702 Withdrawn 1991; Method for Visual Examination of Used Chlorinated Aromatic Hydrocarbons (Askarels) in the Field*
*D1703 Withdrawn 1982; Recommended Practice for Presentation of Capillary Flow Data on Molten Thermoplastics; Replaced by D3805*
*D1704/D1704M Withdrawn 2000; Test Method for Determining the Amount of Particulate Matter in the Atmosphere by Measurement of the Light Absorbance of a Filtered Sample*
*D1705 Withdrawn 1998; Test Method for Particle Size Analysis of Powdered Polymers and Copolymers of Vinyl Chloride*
*D1706 Withdrawn 1967; Method of Test for Indentation Hardness of Plastics by Means of a Durometer*
*D1707 Withdrawn 1967; Definition of Terms Relating to Soil Dynamics; Combined with D 653*
**D1708-13** Test Method for Tensile Properties of Plastics by Use of Microtensile Specimens, **08.01**
**D1709-09** Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method, **08.01**
**D1710-08** Specification for Extruded Polytetrafluoroethylene (PTFE) Rod, Heavy Walled Tubing and Basic Shapes, **08.01**
**D1711-13** Terminology Relating to Electrical Insulation, **10.01**
**D1712-09** Practice for Resistance of Plastics to Sulfide Staining, **08.01**
*D1713 Withdrawn 1992; Test Method for Bonding Permanency of Water- or Solvent-Soluble Liquid Adhesives for Automatic Machine Sealing Top Flaps of Fiberboard Specimens*
*D1714 Withdrawn 1992; Test Method for Water Absorptiveness of Fiberboard Specimens for Adhesives*
*D1715 Withdrawn 1968; Method of Test for Gas Evolved from Chemical Blowing Agents for Cellular Plastics*
*D1716 Withdrawn 1993; Test Method for Cellulose Chain Length Uniformity by Fractional Precipitation of Cellulose Nitrate*
*D1717 Withdrawn 1984; Method of Test for Analysis of Commerical Butane-Butene Mixtures and Isolutylene by Gas Chromatography*
**D1718-09** Specification for Isobutyl Acetate (95 % Grade), **06.04**
**D1719-11** Specification for Isobutyl Alcohol, **06.04**
**D1720-03(2012)** Test Method for Dilution Ratio of Active Solvents in Cellulose Nitrate Solutions, **06.04**
*D1721 Withdrawn 2012; Test Method for Permanganate Time of Tricresyl Phosphate*
**D1722-09** Test Method for Water Miscibility of Water-Soluble Solvents, **06.04**
*D1723 Withdrawn 1966; Method of Test for Water Solubility of Acetone; Combined with D 1722*
*D1724 Withdrawn 1978; Method for Qualitative Determination of Fish Oil in Drying Oils and Drying Oil Fatty Acids; Replaced by D555, D3725*
**D1725-12** Practice for Preparing Resin Solutions for Viscosity Measurement by Bubble Time Method, **06.03**
**D1726-11** Test Methods for Hydrolyzable Chloride Content of Liquid Epoxy Resins, **06.03**
*D1727 Withdrawn 1984; Method of Test for Urea Content of Nitrogen Resins*
*D1728 Withdrawn 1991; Test Method for Phthalate Ester Color of High-Gravity Glycerin*
**D1729-96(2009)** Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials, **06.01**
**D1730-09** Practices for Preparation of Aluminum and Aluminum-Alloy Surfaces for Painting, **02.05**
**D1731-09** Practices for Preparation of Hot-Dip Aluminum Surfaces for Painting, **02.05**
**D1732-03(2013)** Practices for Preparation of Magnesium Alloy Surfaces for Painting, **02.05**
*D1733 Withdrawn 1980; Method for Preparation of Aluminum Alloy Panels for Testing Paint, Varnish, Lacquer, and Related Products; Replaced by D1730*
**D1734-93(2013)** Practice for Making Cementitious Panels for Testing Coatings, **06.02**
**D1735-08** Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus, **06.01**
*D1736 Withdrawn 1997; Test Method for Efflorescence of Interior Wall Paints*
*D1737 Withdrawn 1988; Method of Test for Elongation of Attached Organic Coatings with Cylindrical Mandrel Apparatus; Replaced by D522*
*D1738 Withdrawn 1970; Method of Test for Hiding Power of Nonchromatic Paints; Replaced by D2805*
**D1739-98(2010)** Test Method for Collection and Measurement of Dustfall (Settleable Particulate Matter), **11.07**
*D1740 Withdrawn 2006; Test Method for Luminometer Numbers of Aviation Turbine Fuels*
*D1741 Withdrawn 1991; Test Method for Functional Life of Ball Bearing Greases*
**D1742-06** Test Method for Oil Separation from Lubricating Grease During Storage, **05.01**
**D1743-13** Test Method for Determining Corrosion Preventive Properties of Lubricating Greases, **05.01**
**D1744-13** Test Method for Determination of Water in Liquid Petroleum Products by Karl Fischer Reagent, **05.01**
*D1745 Withdrawn 1966; Method for Calculation of Absolute Viscosity; Combined with D 445*
**D1746-09** Test Method for Transparency of Plastic Sheeting, **08.01**
**D1747-09** Test Method for Refractive Index of Viscous Materials, **05.01**
**D1748-10** Test Method for Rust Protection by Metal Preservatives in the Humidity Cabinet, **05.01**
*D1749 Withdrawn 2010; Practice for Interlaboratory Evaluation of Test Methods Used with Paper and Paper Products*
*D1750 Withdrawn 1986; Tables for Positive Displacement Meter Prover Tanks*
**D1751-04(2013)$^{\varepsilon 1}$** Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types), **04.03**
**D1752-04a(2013)** Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction, **04.03**
*D1753 Withdrawn 1977; Specification for Hot-Mixed, Hot-Laid Tar Paving Mixtures; Replaced by D3515*
**D1754/D1754M-09** Test Method for Effects of Heat and Air on Asphaltic Materials (Thin-Film Oven Test), **04.03**
**D1755-09** Specification for Poly(Vinyl Chloride) Resins, **08.01**
*D1756 Withdrawn 2013; Test Method for Determination as Carbon Dioxide of Carbonate Carbon in Coal; Replaced by D6316*
*D1757 Withdrawn 2009; Test Method for Sulfate Sulfur in Ash from Coal and Coke*
**D1758-06** Test Method of Evaluating Wood Preservatives by Field Tests with Stakes, **04.10**
*D1759 Withdrawn 1978; Method of Conducting Shear-Block Test for Quality Control of Glue Bonds in Scarf Joints*

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*D1760 Withdrawn 2006; Specification for Pressure Treatment of Timber Products*
**D1761-12** Test Methods for Mechanical Fasteners in Wood, **04.10**
**D1762-84(2013)** Test Method for Chemical Analysis of Wood Charcoal, **04.10**
**D1763-00(2013)** Specification for Epoxy Resins, **08.01**
*D1764 Withdrawn 2003; Specification for Rubber Latex Products for Automotive Applications*
**D1765-13** Classification System for Carbon Blacks Used in Rubber Products, **09.01**
**D1766-05(2011)** Test Method for Rubber Chemicals—Solubility, **09.01**
**D1767-89(2009)** Test Method for Ethylene Diamine Tetraacetate (EDTA) in Soaps or Synthetic Detergents, **15.04**
**D1768-89(2009)** Test Method for Sodium Alkylbenzene Sulfonate in Synthetic Detergents by Ultraviolet Absorption, **15.04**
*D1769 Withdrawn 1989; Test Method for Linear Density of Cotton Fibers (Array Sample)*
**D1770-94(2012)ε1** Test Method for Neps, Vegetable Matter, and Colored Fiber in Wool Top, **07.01**
*D1771 Withdrawn 1981; Method of Sample Reweighing of Lots of Packaged Raw Wool*
*D1772 Withdrawn 1966; Method of Test for Imperfection Count of Textile Yarns*
*D1773 Withdrawn 1962; Method of Test for Dimensional Change of Knitted Fabrics in Laundering and Dimensional Restorability of the Laundered Fabric*
*D1774 Withdrawn 2000; Test Methods for Elastic Properties of Textile Fibers*
*D1775 Withdrawn 2000; Test Method for Tension and Elongation of Wide Elastic Fabrics (Constant-Rate-of-Load Type Tensile Testing Machine)*
**D1776-08ε1** Practice for Conditioning and Testing Textiles, **07.01**
**D1777-96(2011)ε1** Test Method for Thickness of Textile Materials, **07.01**
*D1778 Withdrawn 1966; Method of Test for Colorfastness to Commercial Laundering and to Domestic Washing of Tufted Rugs and Carpets*
**D1779-98(2011)** Specification for Adhesive for Acoustical Materials, **15.06**
**D1780-05(2012)** Practice for Conducting Creep Tests of Metal-to-Metal Adhesives, **15.06**
**D1781-98(2012)** Test Method for Climbing Drum Peel for Adhesives, **15.06**
**D1782-95(2009)** Test Methods for Operating Performance of Particulate Cation-Exchange Materials, **11.02**
**D1783-01(2012)** Test Methods for Phenolic Compounds in Water, **11.02**
**D1784-11** Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds, **08.01**
**D1785-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120, **08.04**
**D1786-10** Specification for Toluene Diisocyanate, **08.01**
*D1787 Withdrawn 1995; Test Method for Pentosans in Cellulose*
*D1788 Withdrawn 1989; Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Plastics*
*D1789 Withdrawn 1984; Test Method for Welding Performance of Poly(Vinyl Chloride) Structures*
**D1790-08** Test Method for Brittleness Temperature of Plastic Sheeting by Impact, **08.01**
**D1791-93(2008)** Test Method for Accelerated Aging of Liquid Water-Emulsion Floor Polishes, **15.04**
**D1792-06(2012)ε1** Test Method for Long-Term Removability Properties of Emulsion Floor Polishes, **15.04**
**D1793-92(2008)** Test Method for Water Spotting of Emulsion Floor Polishes, **15.04**
*D1794 Withdrawn 1993; Test Method for Alcohol-Benzene Soluble Matter in Cellulose*
**D1795-13** Test Method for Intrinsic Viscosity of Cellulose, **06.03**
**D1796-11ε1** Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure), **05.01**
*D1797 Withdrawn 1974; Method of Test for Ash in Casein and Isolated Soy Protein*
*D1798 Withdrawn 1974; Method of Test for Fixed Ash in Casein and Isolated Soy Protein*
**D1799-03a(2008)** Practice for Carbon Black—Sampling Packaged Shipments, **09.01**
*D1800 Withdrawn 1974; Method of Test for Alkali Requirement of Casein and Isolated Soy Protein*
*D1801 Withdrawn 1974; Method of Test for Free Acidity in Casein and Isolated Soy Protein*
*D1802 Withdrawn 1974; Method of Test for Moisture in Casein and Isolated Soy Protein*
*D1803 Withdrawn 1974; Method of Test for Nitrogen in Casein and Isolated Soy Protein*
*D1804 Withdrawn 1974; Method of Test for Oil in Casein and Isolated Soy Protein*
*D1805 Withdrawn 1972; Recommended Practice for Estimating Relative Temperature Limits of Dielectric Liquids*
*D1806 Withdrawn 1962; Method of Test for Refractive Index of Askarels; Combined with D 1807*
*D1807 Withdrawn 2014; Test Methods for Refractive Index and Specific Optical Dispersion of Electrical Insulating Liquids*
*D1808 Withdrawn 1980; Method of Test for Volume of Oil in Oil-Contaminated Askarels*
*D1809 Withdrawn 1967; Method for Sampling Askarels; Combined with D 923*
*D1810 Withdrawn 2000; Test Method for Specific Gravity of Askarels/i*
*D1811 Withdrawn 1961; Method of Test for Free Chlorides in Askarels; Replaced by D1821*
*D1812 Withdrawn 1981; Method of Test for Plasitc Properties of Coal by Gieseler Plastometer*
**D1813-13** Test Method for Measuring Thickness of Leather Test Specimens, **15.04**
**D1814-70(2010)** Test Method for Measuring Thickness of Leather Units, **15.04**
**D1815-00(2010)** Test Method for Water Absorption (Static) of Vegetable Tanned Leather, **15.04**
**D1816-12** Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using VDE Electrodes, **10.03**
**D1817-05(2011)** Test Method for Rubber Chemicals—Density, **09.01**
*D1818 Withdrawn 1990; Specification for Continuity of Quality of Electrical Insulating Oil for Low-Pressure Cable Systems*
*D1819 Withdrawn 1990; Specification for Continuity of Quality of Electrical Insulating Oil for High-Pressure Cable Systems*
*D1820 Withdrawn 2000; Test Method for Hydrolyzable Chlorine Compounds in Chlorinated Aromatic Hydrocarbons (Askarels)*
*D1821 Withdrawn 2000; Test Method for Inorganic Chlorides in Askarels*
**D1822-13** Test Method for Tensile-Impact Energy to Break Plastics and Electrical Insulating Materials, **08.01**
*D1822M Withdrawn 1996; Test Method for Tensile-Impact Energy to Break Plastics and Electrical Insulating Materials*
**D1823-95(2009)** Test Method for Apparent Viscosity of Plastisols and Organosols at High Shear Rates by Extrusion Viscometer, **08.01**
**D1824-95(2010)** Test Method for Apparent Viscosity of Plastisols and Organosols at Low Shear Rates, **08.01**
*D1825 Withdrawn 2011; Practice for Etching and Cleaning Copper-Clad Electrical Insulating Materials and Thermosetting Laminates for Electrical Testing*
**D1826-94(2010)** Test Method for Calorific (Heating) Value of Gases in Natural Gas Range by Continuous Recording Calorimeter, **05.06**
*D1827 Withdrawn 2009; Test Method for Gas Content (Nonacidic) of Insulating Liquids by Displacement with Carbon Dioxide*
**D1828-01(2013)** Practice for Atmospheric Exposure of Adhesive-Bonded Joints and Structures, **15.06**
*D1829 Withdrawn 2001; Test Method for Electrical Resistance of Ceramic Materials at Elevated Temperatures*
**D1830-99(2012)** Test Method for Thermal Endurance of Flexible Sheet Materials Used for Electrical Insulation by the Curved Electrode Method, **10.01**
**D1831-11** Test Method for Roll Stability of Lubricating Grease, **05.01**
**D1832-04(2009)** Test Method for Peroxide Number of Petroleum Wax, **05.01**
**D1833-87(2012)** Test Method for Odor of Petroleum Wax, **05.01**
*D1834 Withdrawn 2004; Test Method for 20° Specular Gloss of Waxed Paper*
**D1835-13** Specification for Liquefied Petroleum (LP) Gases, **05.01**
**D1836-07(2013)** Specification for Commercial Hexanes, **06.04**
**D1837-11** Test Method for Volatility of Liquefied Petroleum (LP) Gases, **05.01**
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**D1839-11** Test Method for Amyl Nitrate in Diesel Fuels, **05.01**
**D1840-07(2013)** Test Method for Naphthalene Hydrocarbons in Aviation Turbine Fuels by Ultraviolet Spectrophotometry, **05.01**
*D1841 Withdrawn 2007; Specification for Distilled Coconut Fatty Acids*
*D1842 Withdrawn 2007; Specification for Distilled Corn Fatty Acids*
*D1843 Withdrawn 2007; Specification for Fractionated and Distilled Cottonseed Fatty Acids*
**D1844-86(2008)** Test Methods for Chemical Analysis of Basic Lead Silicochromate, **06.03**
**D1845-86(2008)** Test Methods for Chemical Analysis of Strontium Chromate Pigment, **06.03**
*D1846 Withdrawn 1966; Method of Test for Water-Soluble Matter in Iron Oxide Pigments by Specific Resistance Method; Combined with D 2448*
*D1847 Withdrawn 2007; Test Methods for Total Chlorine Content of Epoxy Resins*
*D1848 Withdrawn 2003; Classification for Reporting Paint Film Failures Characteristic of Exterior Latex Paints*
**D1849-95(2008)** Test Method for Package Stability of Paint, **06.02**
*D1850 Withdrawn 1991; Specification for Concrete Joint Sealer*
*D1851 Withdrawn 1991; Methods of Testing Concrete Joint Sealer*
*D1852 Withdrawn 1991; Specification for Jet-Fuel-Resistant Concrete Joint Sealer, Cold-Application Elastic Type*
*D1853 Withdrawn 1991; Methods of Testing Jet-Fuel-Resistant Concrete Joint Sealer for Concrete, Cold-Application Elastic Type*
*D1854 Withdrawn 2006; Specification for Jet-Fuel-Resistant Concrete Joint Sealer, Hot-Applied Elastic Type; Replaced by D 7116*
*D1855 Withdrawn 1996; Test Methods for Jet-Fuel-Resistant Concrete Joint Sealer, Hot-Poured Elastic Type*
**D1856-09** Test Method for Recovery of Asphalt From Solution by Abson Method, **04.03**
**D1857/D1857M-04(2010)** Test Method for Fusibility of Coal and Coke Ash, **05.06**
*D1858 Withdrawn 2006; Specification for Creosote-Petroleum Solution*
*D1859 Withdrawn 2006; Specification for Petroleum for Blending with Creosote*
*D1860 Withdrawn 2006; Test Method for Moisture and Creosote-Type Preservative in Wood*
*D1861 Withdrawn 1992; Specification for Homogeneous Bituminized Fiber Drain and Sewer Pipe*
*D1862 Withdrawn 1992; Specification for Laminated-Wall Bituminized Fiber Drain and Sewer Pipe*

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**D1865/D1865M-09** Test Method for Hardness of Mineral Aggregate Used on Built-Up Roofs, **04.04**
*D1866 Withdrawn 1991; Test Method for Translucency of Mineral Aggregate Used on Built-Up Roofs*
**D1867-13** Specification for Copper-Clad Thermosetting Laminates for Printed Wiring, **10.01**
**D1868-13** Test Method for Detection and Measurement of Partial Discharge (Corona) Pulses in Evaluation of Insulation Systems, **10.01**
**D1869-95(2010)** Specification for Rubber Rings for Asbestos-Cement Pipe, **09.02**
*D1870 Withdrawn 1998; Practice for Elevated Temperature Aging Using a Tubular Oven*
**D1871-04(2014)** Test Method for Adhesion Between Tire Bead Wire and Rubber, **07.01**
*D1872 Withdrawn 1991; Method of Testing Rubber Chemical—Free 2-Mercaptobenzothiazole in Benzothiazyl Disulfide; Replaced by D5044*
*D1873 Withdrawn 1991; Method of Testing Rubber Chemical—Total 2-Mercaptobenzothiazole in Benzothiazyl Disulfide; Replaced by D1051*
**D1874-62(2010)** Specification for Water- or Solvent-Soluble Liquid Adhesives for Automatic Machine Sealing of Top Flaps of Fiberboard Shipping Cases, **15.10**
**D1875-03(2013)** Test Method for Density of Adhesives in Fluid Form, **15.06**
**D1876-08** Test Method for Peel Resistance of Adhesives (T-Peel Test), **15.06**
*D1877 Withdrawn 1985; Method of Test for Permanence of Adhesive-Bonded Joints in Plywood Under Mold Conditions*
*D1878 Withdrawn 1970; Method of Test for Pressure-Sensitive Tack of Adhesives*
**D1879-06(2014)** Practice for Exposure of Adhesive Specimens to Ionizing Radiation, **15.06**
*D1880 Withdrawn 1975; Recommended Practice for Selection of Engine Antifreezers for Use in Automotive Cooling Systems, Ethylene Glycol and Methanol Types; Replaced by D3306*
**D1881-97(2009)** Test Method for Foaming Tendencies of Engine Coolants in Glassware, **15.05**
**D1882-96(2012)** Test Method for Effect of Cooling System Chemical Solutions on Organic Finishes for Automotive Vehicles, **15.05**
**D1883-07ε2** Test Method for CBR (California Bearing Ratio) of Laboratory-Compacted Soils, **04.08**
*D1884 Withdrawn 1968; Methods of Test for Acidity and Alkalinity of Industrial Water; Replaced by D1067*
*D1885 Withdrawn 1962; Method of Test for Chloride Ion in High-Purity Industrial Water; Combined with D 512*
**D1886-08** Test Methods for Nickel in Water, **11.01**
*D1887 Withdrawn 1962; Method of Test for Sodium in High-Purity Industrial Water by Flame Photometry*
*D1888 Withdrawn 1991; Test Methods for Particulate and Dissolved Matter, Solids, or Residue in Water*
*D1889 Withdrawn 2007; Test Method for Turbidity of Water; Replaced by D6698 and D6855*
**D1890-05(2012)** Test Method for Beta Particle Radioactivity of Water, **11.02**
*D1891 Withdrawn 1971; Method of Test for Hexane-Extractable Matter in Industrial Waste Water*
*D1892 Withdrawn 1987; Specification for Styrene-Butadiene Molding and Extrusion Materials; Replaced by D4549*
*D1893 Withdrawn 1991; Test Method for Blocking of Plastic Film*
**D1894-14** Test Method for Static and Kinetic Coefficients of Friction of Plastic Film and Sheeting, **08.01**
**D1895-96(2010)ε1** Test Methods for Apparent Density, Bulk Factor, and Pourability of Plastic Materials, **08.01**
**D1896/D1896M-10** Practice for Transfer Molding Test Specimens of Thermosetting Compounds, **08.01**
*D1897 Withdrawn 1992; Practice for Injection Molding Test Specimens of Thermoplastic Molding and Extrusion Materials; Replaced by D3641*
*D1898 Withdrawn 1998; Practice for Sampling of Plastics*
*D1899 Withdrawn 1977; Method of Test for Mass Concentration of Particulate Matter in the Atmosphere (Continuous-Measurement Light-Scattering Method)*
**D1900-06(2011)** Practice for Carbon Black—Sampling Bulk Shipments, **09.01**
**D1901-10** Test Method for Relative Evaporation Time of Halogenated, **15.05**
*D1902 Withdrawn 1987; Method of Test for Approximate Acidity and Polar Contamination in Used Mineral Transformer Oil by Spot Tests*
**D1903-08** Practice for Determining the Coefficient of Thermal Expansion of Electrical Insulating Liquids of Petroleum Origin, and Askarels, **10.03**
*D1904 Withdrawn 1969; Method of Test for Oxidation Characteristics of Mineral Transformer Oil*
*D1905 Withdrawn 1978; Method of Test for Dimensional Changes in Laundering of Woven or Knitted Textiles*
*D1906 Withdrawn 1968; Method of Test for Estimation of Effective Gage Length by Evaluation of Clamp Error in Single Fiber Testing*
**D1907/D1907M-12** Test Method for Linear Density of Yarn (Yarn Number) by the Skein Method, **07.01**
*D1908 Withdrawn 1998; Test Method for Needle-Related Damage Due to Sewing in Woven Fabric*
**D1909-13** Standard Tables of Commercial Moisture Regains and Commercial Allowances for Textile Fibers, **07.01**
*D1910 Withdrawn 1982; Methods of Test for Construction Characteristics of Woven Fabrics; Replaced by D3773, D3774, D3775, D3776, D3882, D3883*
*D1911 Withdrawn 1980; Specification for Asbestos-Cement Shingle Blanks to be Used as Panels in Weathering Tests of Exterior Architectural Paints*
**D1912-00(2010)** Test Method for Cold-Crack Resistance of Upholstery Leather, **15.04**
**D1913-00(2010)** Test Method for Resistance to Wetting of Garment-Type Leathers, **15.04**
**D1914-95(2010)** Practice for Conversion Units and Factors Relating to Sampling and Analysis of Atmospheres, **11.07**
*D1915 Withdrawn 1996; Test Method for Chromatographic Analysis of Chemically Refined Cellulose; Replaced by D5896*
*D1916 Withdrawn 2005; Test Method for Penetration of Adhesives*
**D1917-03(2012)** Test Methods for Rubber Property—Shrinkage of Raw and Compounded Hot-Polymerized Styrene-Butadiene Rubber (SBR), **09.01**
**D1918/D1918M-95(2009)ε1** Test Method for Asbestos Content of Asbestos Textiles, **04.05**
*D1919 Withdrawn 1968; Specification for Glass-Fiber Reinforced Thermoset Corrugated Structural Plastics Panel*
*D1920 Withdrawn 1982; Recommended Practice for Determining Light Dosage in Carbon-Arc Light Aging Apparatus*
**D1921-12** Test Methods for Particle Size (Sieve Analysis) of Plastic Materials, **08.01**
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**D1926-00(2011)** Test Methods for Carboxyl Content of Cellulose, **06.03**
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*D1935 Withdrawn 1985; Method of Test for Steam Emulsion of Electrical Insulating Oils of Petroleum Origin*
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*D1951 Withdrawn 2003; Test Method for Ash in Drying Oils and Fatty Acids*
*D1952 Withdrawn 2003; Test Method for Quantitative Determination of Break in Drying Oils*
*D1953 Withdrawn 1980; Method of Test for Drying Properties of Drying Oils; Replaced by D1640*
*D1954 Withdrawn 2003; Test Method for Foots in Raw Linseed Oil (Volumetric Method)*
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*D1962 Withdrawn 2004; Test Method for Saponification Value of Drying Oils, Fatty Acids, and Polymerized Fatty Acids*
*D1963 Withdrawn 2004; Test Method for Specific Gravity of Drying Oils, Varnishes, Resins, and Related Materials at 25/25°C*
*D1964 Withdrawn 2003; Test Method for Tung Oil Quality*
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*D1967 Withdrawn 2003; Test Method for Measuring Color After Heating of Drying Oils*
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**D1969-07(2012)** Specification for 2-Ethylhexanol, **06.04**
**D1970/D1970M-13a** Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection, **04.04**
**D1971-11** Practices for Digestion of Water Samples for Determination of Metals by Flame Atomic Absorption, Graphite Furnace Atomic Absorption, Plasma Emission Spectroscopy, or Plasma Mass Spectrometry, **11.01**
*D1972 Withdrawn 2014; Practice for Generic Marking of Plastic Products*
*D1973 Withdrawn 2000; Guide for Design of a Liner System for Containment of Wastes*
**D1974/D1974M-10** Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes, **15.10**
**D1975-95(2010)** Test Method for Environmental Stress Crack Resistance of Plastic Injection Molded Open Head Pails, **15.10**
**D1976-12** Test Method for Elements in Water by Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy, **11.01**
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**D1978-91(2008)** Guide for Analysis of Electrocoat Bath Samples, **06.01**
*D1979 Withdrawn 2006; Test Method for Free Formaldehyde Content of Amino Resins*
*D1980 Withdrawn 2007; Test Method for Acid Value of Fatty Acids and Polymerized Fatty Acids*
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*D1983 Withdrawn 2003; Test Method for Fatty Acid Composition by Gas-Liquid Chromatography of Methyl Esters*
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**D1985-13** Practice for Preparing Concrete Blocks for Testing Sealants, for Joints and Cracks, **04.03**
**D1986-13** Test Method for Determining the Apparent Viscosity of Polyethylene Wax, **15.04**
**D1987-07(2012)** Test Method for Biological Clogging of Geotextile or Soil/Geotextile Filters, **04.13**
**D1988-06(2011)** Test Method for Mercaptans in Natural Gas Using Length-of-Stain Detector Tubes, **05.06**
*D1989 Withdrawn 2000; Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters; Replaced by D5865*
**D1990-14** Practice for Establishing Allowable Properties for Visually-Graded Dimension Lumber from In-Grade Tests of Full-Size Specimens, **04.10**
**D1991-05(2010)** Test Method for Rubber Chemicals—2-Mercaptobenzothiazole (MBT)—Assay, **09.01**
**D1992-91(2013)** Guide for Testing Synthetic Plasticizers Used in Rubber, **09.01**
**D1993-03(2013)** Test Method for Precipitated Silica-Surface Area by Multipoint BET Nitrogen Adsorption, **09.01**
**D1995-92(2011)** Test Methods for Multi-Modal Strength Testing of Autohesives (Contact Adhesives), **15.06**
*D1996 Withdrawn 2009; Test Method for Determination of Phenolic Antioxidants and Erucamide Slip Additives in Low Density Polyethylene Using Liquid Chromatography (LC); Replaced by D6953*
**D1997-13** Test Method for Laboratory Determination of the Fiber Content of Peat Samples by Dry Mass, **04.08**
**D1998-13** Specification for Polyethylene Upright Storage Tanks, **08.01**
*D1999 Withdrawn 2000; Guide for Selection of Specimens and Test Parameters from ISO/IEC Standards*
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**D2001-07(2012)** Test Method for Dependanization of Gasoline and Naphthas, **05.01**
*D2002 Withdrawn 1998; Practice for Isolation of Representative Saturates Fraction from Low-Olefinic Petroleum Naphthas*
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*D2009 Withdrawn 1995; Test Method for Evaluation of Engine Oils in Two-Stroke Cycle Turbo-Supercharged 6V92TA Diesel Engine*
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**D2014-97(2010)** Test Method for Expansion or Contraction of Coal by the Sole-Heated Oven, **05.06**
*D2015 Withdrawn 2000; Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb Calorimeter*
*D2016 Withdrawn 1989; Methods of Test for Moisture Content of Wood; Replaced by D4442, D4444*
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*D2021 Withdrawn 2000; Specification for Neutral Detergent, 40 Percent Alkylbenzene Sulfonate Type*
**D2022-89(2008)** Test Methods of Sampling and Chemical Analysis of Chlorine-Containing Bleaches, **15.04**
**D2023-89(2009)** Test Method of Analysis for Sodium Toluene Sulfonate in Detergents, **15.04**
**D2024-09** Test Method for Cloud Point of Nonionic Surfactants, **15.04**
*D2025 Redesignated F37 - 1962; Method of Test for Sealability of Gasket Materials*
**D2026/D2026M-97(2010)ε1** Specification for Cutback Asphalt (Slow-Curing Type), **04.03**
**D2027/D2027M-13** Specification for Cutback Asphalt (Medium-Curing Type), **04.03**
**D2028/D2028M-10** Specification for Cutback Asphalt (Rapid-Curing Type), **04.03**
**D2029-97(2008)** Test Methods for Water Vapor Content of Electrical Insulating Gases by Measurement of Dew Point, **10.03**
*D2030 Withdrawn 2003; Test Method for Water Solubility of Refined Pyridine*
*D2031 Withdrawn 2003; Test Method for Reducing Substances in Refined Pyridine*
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*D2033 Withdrawn 1987; Method of Test for Consumption of Potassium Permanganate by Impurities in Deuterium Oxide*
*D2034 Withdrawn 1983; Methods of Open Channel Flow Measurement of Water and Waste Water by Weirs*
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**D2036-09** Test Methods for Cyanides in Water, **11.02**
*D2037 Withdrawn 1981; Method of Test for Evaluating Inhibitory Toxicity of Water to Diatoms*
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**D2041/D2041M-11** Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures, **04.03**
**D2042-09** Test Method for Solubility of Asphalt Materials in Trichloroethylene, **04.03**
*D2043 Withdrawn 2010; Test Method for Silver Tarnishing by Paper*
*D2044 Withdrawn 1980; Method of Test for Moisture in Paper and Paperboard by Toluene Distillation*
*D2045 Withdrawn 1971; Method of Test for Water Absorptiveness of Nonbibulous Paper and Paperboard (COBB Test)*
*D2046 Withdrawn 1969; Method of Test for Nonvolatile Matter (Total Solids) in Solvent-Board Waxes; Replaced by D2834*
**D2047-11** Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine, **15.04**
**D2048-10** Test Method for Powdering of Floor Polish Films, **15.04**
*D2049 Withdrawn 1984; Test Method for Relative Density of Cohesionless Soils; Replaced by D4253, D4254*
**D2050-11** Terminology Relating to Fasteners and Closures Used with Textiles, **07.01**
**D2051-14** Test Method for Durability of Finish of Zippers to Laundering, **07.01**
**D2052-05(2010)** Test Method for Colorfastness of Zippers to Drycleaning, **07.01**
**D2053-99(2010)** Test Method for Colorfastness of Zippers to Light, **07.01**
**D2054-99(2010)** Test Method for Colorfastness of Zipper Tapes to Crocking, **07.01**
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**D2059/D2059M-03(2014)** Test Method for Resistance of Zippers to Salt Spray (Fog), **07.01**
**D2060-14** Test Methods for Measuring Zipper Dimensions, **07.01**
**D2061-07(2013)** Test Methods for Strength Tests for Zippers, **07.01**
**D2062-03(2014)** Test Methods for Operability of Zippers, **07.01**
**D2063/D2063M-10(2012)** Test Methods for Measurement of Torque Retention for Packages with Continuous Thread Closures Using Non-Automated (Manual) Torque Testing Equipment, **15.10**
**D2064-91(2012)** Test Method for Print Resistance of Architectural Paints, **06.02**
**D2065-03(2011)** Test Method for Determination of Edge Performance of Composite Wood Products Under Surfactant Accelerated Moisture Stress, **06.02**
**D2066-07(2012)** Test Methods for Relative Tinting Strength of Paste-Type Printing Ink Dispersions, **06.02**
**D2067-97(2013)** Test Method for Coarse Particles in Printing Ink Dispersions, **06.02**
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*D2075 Withdrawn 2007; Test Method for Iodine Value of Fatty Amines, Amidoamines, and Diamines*
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*D2081 Withdrawn 2007; Test Method for pH of Fatty Quaternary Ammonium Chlorides*
*D2082 Withdrawn 2007; Test Method for Percent of Non-Amines in Fatty Nitrogen Compounds*
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**D2084-11** Test Method for Rubber Property—Vulcanization Using Oscillating Disk Cure Meter, **09.01**
*D2085 Withdrawn 2006; Test Method for Determining Chloride Used in Calculating Pentachlorophenol in Solutions or Wood (Lime Ignition Method)*
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*D2088 Withdrawn 1979; Method for Determination of Low Concentrations of Lead in Paint; Replaced by D3335*
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*D2090 Withdrawn 2007; Test Method for Clarity and Cleanness of Paint and Ink Liquids*
**D2091-96(2011)** Test Method for Print Resistance of Lacquers, **06.02**
*D2092 Withdrawn 2008; Guide for Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting; Replaced by D6386 and D7396*
**D2093-03(2011)** Practice for Preparation of Surfaces of Plastics Prior to Adhesive Bonding, **15.06**
**D2094-00(2014)** Practice for Preparation of Bar and Rod Specimens for Adhesion Tests, **15.06**
**D2095-96(2008)** Test Method for Tensile Strength of Adhesives by Means of Bar and Rod Specimens, **15.06**
**D2096-11** Test Method for Colorfastness and Transfer of Color in the Washing of Leather, **15.04**
**D2097-03(2010)** Test Method for Flex Testing of Finish on Upholstery Leather, **15.04**
**D2098-13** Test Method for Dynamic Water Resistance of Shoe Upper Leather by the Dow Corning Leather Tester, **15.04**
**D2099-14** Test Method for Dynamic Water Resistance of Shoe Upper Leather by the Maeser Water Penetration Tester, **15.04**
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*D2101 Withdrawn 1995; Test Method for Tensile Properties of Single Man-Made Textile Fibers Taken from Yarns and Tows*
**D2102-02(2012)ε1** Test Method for Shrinkage of Textile Fibers (Bundle Test), **07.01**
**D2103-10** Specification for Polyethylene Film and Sheeting, **08.01**
*D2104 Withdrawn 2010; Specification for Polyethylene (PE) Plastic Pipe, Schedule 40*
**D2105-01(2014)** Test Method for Longitudinal Tensile Properties of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Tube, **08.03**
**D2106-07(2012)** Test Methods for Determination of Amine Acid Acceptance (Alkalinity) of Halogenated Organic Solvents, **15.05**
*D2107 Withdrawn 1975; Method of Test for Nonamine Acid Acceptance of Halogenated Organic Solvent, Decreasing Grade (Reflux Method)*
**D2108-10** Test Method for Color of Halogenated Organic Solvents and, **15.05**
**D2109-01(2011)** Test Methods for Nonvolatile Matter in Halogenated Organic, **15.05**
**D2110-00(2012)** Test Method for pH of Water Extractions of Halogenated Organic Solvents and Their Admixtures, **15.05**
**D2111-10** Test Methods for Specific Gravity and Density of Halogenated Organic, **15.05**
**D2112-01a(2007)** Test Method for Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel, **10.03**
**D2113-08** Practice for Rock Core Drilling and Sampling of Rock for Site Investigation, **04.08**
*D2114 Withdrawn 1970; Specification for Rigid Poly(Vinyl Chloride-Vinyl Acetate) Compounds; Replaced by D1784*
**D2115-10** Practice for Oven Heat Stability of Poly(Vinyl Chloride) Compositions, **08.01**
**D2116-07(2012)** Specification for FEP-Fluorocarbon Molding and Extrusion Materials, **08.01**
*D2117 Withdrawn 1994; Test Method for Melting Point of Semicrystalline Polymers by the Hot Stage Microscopy Method*
**D2118-05(2009)** Practice for Assigning a Standard Commercial Moisture Content for Wool and Its Products, **07.01**
**D2119-09** Test Method for Aldehydes in Styrene Monomer, **06.04**
*D2120 Withdrawn 1992; Test Method for Inhibitor, p-tert-Butylcatechol, in Styrene Monomer*
**D2121-07** Test Methods for Polymer Content of Styrene Monomer and AMS (α–Methylstyrene), **06.04**
**D2122-98(2010)** Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings, **08.04**
*D2123 Withdrawn 1989; Specification for Rigid Poly(Vinyl Chloride-Vinyl Acetate) Plastic Sheet*
**D2124-99(2011)** Test Method for Analysis of Components in Poly(Vinyl Chloride) Compounds Using an Infrared Spectrophotometric Technique, **08.01**
*D2125 Withdrawn 1971; Specification for Cellular Polystyrene*
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*D2127 Withdrawn 1970; Method of Test for Water Absorption of Rigid Cellular Plastics; Replaced by D2842*
*D2128 Withdrawn 1986; Specification for Rubberized Curled Hair*
**D2129-05(2010)** Test Method for Color of Clear Electrical, **10.03**
**D2130-13** Test Method for Diameter of Wool and Other Animal Fibers by Microprojection, **07.01**
**D2131-97(2008)ε1** Classification for Natural Muscovite Mica Splittings, **10.01**
**D2132-12** Test Method for Dust-and-Fog Tracking and Erosion Resistance of Electrical Insulating Materials, **10.01**
*D2133 Withdrawn 1986; Specification for Acetal Resin Injection Molding and Extrusion Materials*
**D2134-93(2012)** Test Method for Determining the Hardness of Organic Coatings with a Sward-Type Hardness Rocker, **06.01**
*D2135 Withdrawn 1989; Classification of Hard Rubbers*
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**D2137-11** Test Methods for Rubber Property—Brittleness Point of Flexible Polymers and Coated Fabrics, **09.01**
*D2138 Withdrawn 1990; Test Method for Rubber Property—Adhesion to Textile Cord; Replaced by D4776, D4777*
*D2139 Redesignated F38*
**D2140-08** Practice for Calculating Carbon-Type Composition of Insulating Oils of Petroleum Origin, **10.03**
*D2141 Withdrawn 1982; Method of Test for Adhesion Ratio of Polyethylene Film*
*D2142 Withdrawn 1967; Method of Test for Rapid Estimation of Staple Length of Wool Tops*
**D2143-00(2010)** Test Method for Cyclic Pressure Strength of Reinforced, Thermosetting Plastic Pipe, **08.03**
**D2144-07(2013)** Practices for Examination of Electrical Insulating Oils by Infrared Absorption, **10.03**
*D2145 Withdrawn 1979; Method of Test for Phenol Content of Phenol-Water Mixtures*
*D2146 Withdrawn 1986; Specification for Propylene Plastic Molding and Extrusion Materials; Replaced by D4101*
*D2147 Withdrawn 1979; Method of Test for Detection and Estimation of Water-Insoluble Impurities in Refined Phenol by Cloud Point Depression*
**D2148-13** Test Methods for Bondable Silicone Rubber Tapes Used for Electrical Insulation, **10.01**
**D2149-13** Test Method for Permittivity (Dielectric Constant) And Dissipation Factor Of Solid Dielectrics At Frequencies To 10 MHz And Temperatures To 500°C, **10.01**
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*D2151 Withdrawn 2003; Practice for Staining of Poly(Vinyl Chloride)*

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**D2152-13** Test Method for Adequacy of Fusion of Extruded Poly(Vinyl Chloride) (PVC) Pipe and Molded Fittings by Acetone Immersion, **08.04**
*D2153 Withdrawn 1976; Recommended Practice for Calculating Stress in Plastic Pipe Under Internal Pressure*
*D2154 Withdrawn 1975; Specification for Special Duty Propane; Replaced by D1835*
**D2155-12** Test Method for Determination of Fire Resistance of Aircraft Hydraulic Fluids by Autoignition Temperature, **05.01**
**D2156-09(2013)** Test Method for Smoke Density in Flue Gases from Burning Distillate Fuels, **05.01**
**D2157-94(2013)** Test Method for Effect of Air Supply on Smoke Density in Flue Gases from Burning Distillate Fuels, **05.01**
**D2158-11** Test Method for Residues in Liquefied Petroleum (LP) Gases, **05.01**
*D2159 Withdrawn 1998; Test Method for Naphthenes in Saturates Fractions by Refractivity Intercept*
*D2160 Withdrawn 1997; Test Method for Thermal Stability of Hydraulic Fluids*
**D2161-10** Practice for Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity, **05.01**
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**D2163-07** Test Method for Determination of Hydrocarbons in Liquefied Petroleum (LP) Gases and Propane/Propene Mixtures by Gas Chromatography, **05.01**
*D2164 Withdrawn 2005; Methods of Testing Structural Insulating Roof Deck*
**D2165-94(2012)ε1** Test Method for pH of Aqueous Extracts of Wool and Similar Animal Fibers, **07.01**
**D2166/D2166M-13** Test Method for Unconfined Compressive Strength of Cohesive Soil, **04.08**
**D2167-08** Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method, **04.08**
**D2168-10** Practices for Calibration of Laboratory Mechanical-Rammer Soil Compactors, **04.08**
*D2169 Withdrawn 1975; Method of Test for Odor in Casein*
**D2170/D2170M-10** Test Method for Kinematic Viscosity of Asphalts (Bitumens), **04.03**
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*D2173 Withdrawn 1984; Method of Test for Arsenic in Paper and Paperboard*
*D2174 Withdrawn 1972; Method of Test for Tensile Energy Absorption of Paper*
*D2175 Withdrawn 2010; Test Method Book Bulk and Book Bulking Number of Paper*
*D2176 Withdrawn 2010; Test Method for Folding Endurance of Paper by the M.I.T. Tester*
*D2177 Withdrawn 2009; Test Method for Ink Absorption of Blotting Paper*
*D2178 Withdrawn 2013; Specification for Asphalt Glass Felt Used in Roofing and Waterproofing*
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*D2179 Withdrawn 2000; Specification for Combination Bar Soap*
**D2180-89(2008)** Test Method for Active Oxygen in Bleaching Compounds, **15.04**
*D2181 Withdrawn 1969; Specification for Vinyl Acetate Resin Emulsion Adhesive*
*D2182 Withdrawn 1984; Method of Test for Strength Properties of Metal-to-Metal Adhesives by Compression Loading (Disk Shear)*
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*D2185 Withdrawn 1970; Method of Test for Radioactive Cobalt in Industrial Water and Industrial Waste Water*
**D2186-05(2009)** Test Methods for Deposit-Forming Impurities in Steam, **11.02**
**D2187-94(2009)ε1** Test Methods for Physical and Chemical Properties of Particulate Ion-Exchange Resins, **11.02**
*D2188 Withdrawn 1984; Recommended Practice for Statistical Design in Interlaboratory Testing of Plastics; Replaced by E691*
*D2189 Withdrawn 1975; Specification for Acetaldehyde*
**D2190-07(2013)** Specification for Vinyl Acetate, **06.04**
**D2191-06(2012)** Test Method for Acetaldehyde Content of Vinyl Acetate, **06.04**
**D2192-06(2012)** Test Method for Purity of Aldehydes and Ketones, **06.04**
**D2193-06(2012)** Test Method for Hydroquinone in Vinyl Acetate, **06.04**
**D2194-02(2012)** Test Method for Concentration of Formaldehyde Solutions, **06.04**
*D2195 Withdrawn 2011; Test Methods for Pentaerythritol*
**D2196-10** Test Methods for Rheological Properties of Non-Newtonian Materials by Rotational (Brookfield type) Viscometer, **06.01**
**D2197-13** Test Method for Adhesion of Organic Coatings by Scrape Adhesion, **06.01**
*D2198 Withdrawn 2003; Test Method for Stain Removal From Multicolor Lacquers*
**D2199-03(2013)** Test Method for Measurement of Plasticizer Migration From Vinyl Fabrics to Lacquers, **06.02**
**D2200-13** Practice for Use of Pictorial Surface Preparation Standards and Guides for Painting Steel Surfaces, **06.02**
**D2201-99(2011)** Practice for Preparation of Zinc-Coated and Zinc-Alloy-Coated Steel Panels for Testing Paint and Related Coating Products, **06.01**
**D2202-00(2010)** Test Method for Slump of Sealants, **04.07**
**D2203-01(2011)** Test Method for Staining from Sealants, **04.07**
*D2204 Withdrawn 1976; Method of Test for Perspiration Resistance of Organic Coatings*
**D2205-85(2010)** Guide for Selection of Tests for Traffic Paints, **06.02**
*D2206 Withdrawn 1980; Test Method for Low Quantities of Mercury in Paint; Replaced by D3624*
**D2207-00(2010)** Test Method for Bursting Strength of Leather by the Ball Method, **15.04**
**D2208-00(2010)** Test Method for Breaking Strength of Leather by the Grab Method, **15.04**
**D2209-00(2010)** Test Method for Tensile Strength of Leather, **15.04**
**D2210-13** Test Method for Grain Crack and Extension of Leather by the Mullen Test, **15.04**
**D2211-00(2010)** Test Method for Elongation of Leather, **15.04**
**D2212-00(2010)** Test Method for Slit Tear Resistance of Leather, **15.04**
**D2213-00(2010)** Test Method for Compressibility of Leather, **15.04**
*D2214 Withdrawn 2008; Test Method for Estimating the Thermal Conductivity of Leather with the Cenco-Fitch Apparatus; Replaced by D7340*
*D2215 Withdrawn 1975; Method of Test for Total Fat in Casein and Isolated Soy Protein*
**D2216-10** Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass, **04.08**
*D2217 Withdrawn 2007; Practice for Wet Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants*
**D2218-67(2012)** Specification for Molybdate Orange Pigments, **06.03**
**D2219-11** Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 60C Operation, **10.01**
**D2220-11** Specification for Poly(Vinyl Chloride) Insulation for Wire and Cable, 75°C Operation, **10.01**
**D2221-01(2010)** Test Method for Creep Properties of Package Cushioning Materials, **15.10**
**D2222-13** Test Method for Methanol Extract of Vinyl Chloride Resins, **08.01**
*D2223 Withdrawn 1993; Test Method for Oxygen Impurity in Nitrogen (Electrochemical Method)*
*D2224 Withdrawn 1989; Test Method for Mean Molecular Weight of Mineral Insulating Oils by the Cryoscopic Method*
**D2225-04(2012)** Test Methods for Silicone Fluids Used for Electrical Insulation, **10.03**
**D2226-93(2012)** Classification for Various Types of Petroleum Oils for Rubber Compounding Use, **09.01**
**D2227-96(2011)** Specification for Natural Rubber (NR) Technical Grades, **09.01**
**D2228-04(2009)** Test Method for Rubber Property—Relative Abrasion Resistance by Pico Abrader Method, **09.01**
**D2229-10(2014)** Test Method for Adhesion Between Steel Tire Cords and Rubber, **07.01**
**D2230-96(2012)** Test Method for Rubber PropertyExtrudability of Unvulcanized Compounds, **09.01**
*D2231 Withdrawn 1998; Practice for Rubber Properties in Forced Vibration; Replaced by D5992*
*D2232 Withdrawn 1995; Test Method for Evaporation Residue of Naphthalene*
*D2233 Withdrawn 2003; Specification for Chlorinated Aromatic Hydrocarbons (Askarels) for Capacitors*
**D2234/D2234M-10** Practice for Collection of a Gross Sample of Coal, **05.06**
**D2235-04(2011)** Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings, **08.04**
*D2236 Withdrawn 1985; Method of Test for Dynamic Mechanical Properties of Plastics by Means of a Torsional Pendulum; Replaced by D4065*
*D2237 Withdrawn 1989; Method of Test for Rate-of-Rise (Volume Increase) Properties of Urethane Foaming Systems*
**D2238-92(2012)ε1** Test Methods for Absorbance of Polyethylene Due to Methyl Groups, **08.01**
**D2239-12a** Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter, **08.04**
**D2240-05(2010)** Test Method for Rubber Property—Durometer Hardness, **09.01**
**D2241-09** Specification for Poly(Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series), **08.04**
*D2242 Withdrawn 1971; Specification for Weathered Heavily Chalked Paint Panels for Use in Weathering Tests of Latex Paints*
**D2243-95(2008)** Test Method for Freeze-Thaw Resistance of Water-Borne Coatings, **06.02**
**D2244-11** Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates, **06.01**
**D2245-90(2011)** Test Method for Identification of Oils and Oil Acids in Solvent-Reducible Paints, **06.01**
*D2246 Withdrawn 1992; Test Method for Finishes on Primed Metallic Substates for Humidity-Thermal Cycle Cracking*
**D2247-11** Practice for Testing Water Resistance of Coatings in 100% Relative Humidity, **06.01**
**D2248-01a(2013)** Practice for Detergent Resistance of Organic Finishes, **06.01**
*D2249 Withdrawn 2002; Test Method for Predicting the Effect of Weathering on Face Glazing and Bedding Compounds on Metal Sash*
*D2250 Withdrawn 1986; Method of Test for Physical and Electrical Breakdown of Insulating Materials by Halogenated Organic Solvents and Their Admixtures*
**D2251-10** Test Method for Metal Corrosion by Halogenated Organic, **15.05**
**D2252-05(2009)** Specification for Fineness of Types of Alpaca, **07.01**

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**D2255/D2255M-09(2013)** Test Method for Grading Spun Yarns for Appearance, **07.01**
**D2256/D2256M-10ε1** Test Method for Tensile Properties of Yarns by the Single-Strand Method, **07.01**
**D2257-98(2012)** Test Method for Extractable Matter in Textiles, **07.01**
**D2258-99(2012)** Practice for Sampling Yarn for Testing, **07.01**
**D2259-02(2011)** Test Method for Shrinkage of Yarns, **07.01**
**D2260-03(2013)** Tables of Conversion Factors and Equivalent Yarn Numbers Measured in Various Numbering Systems, **07.01**
**D2261-13** Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine), **07.01**
*D2262 Withdrawn 1995; Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single Rip) Method (Constant-Rate-of-Traverse Tensile Testing Machine)*
*D2263 Withdrawn 1976; Methods of Testing Automotive Fabrics*
*D2264 Withdrawn 1971; Recommended Practice for Calculating Number of Tests to be Specified in Determining Average Quality of a Textile Material; Replaced by D2905*
**D2265-06** Test Method for Dropping Point of Lubricating Grease Over Wide Temperature Range, **05.01**
**D2266-01(2008)** Test Method for Wear Preventive Characteristics of Lubricating Grease (Four-Ball Method), **05.01**
*D2267 Withdrawn 1992; Test Methods for Aromatics in Light Naphthas, and Aviation Gasolines by Gas Chromatography; Replaced by D4420*
**D2268-93(2013)** Test Method for Analysis of High-Purity n-Heptane and Isooctane by Capillary Gas Chromatography, **05.01**
**D2269-10** Test Method for Evaluation of White Mineral Oils by Ultraviolet Absorption, **05.01**
**D2270-10ε1** Practice for Calculating Viscosity Index from Kinematic Viscosity at 40 and 100°C, **05.01**
*D2271 Withdrawn 2004; Test Method for Preliminary Examination of Hydraulic Fluids (Wear Test)*
**D2272-11** Test Method for Oxidation Stability of Steam Turbine Oils by Rotating Pressure Vessel, **05.01**
**D2273-08(2012)** Test Method for Trace Sediment in Lubricating Oils, **05.01**
**D2274-10** Test Method for Oxidation Stability of Distillate Fuel Oil (Accelerated Method), **05.01**
**D2275-01(2008)ε1** Test Method for Voltage Endurance of Solid Electrical Insulating Materials Subjected to Partial Discharges (Corona) on the Surface, **10.01**
**D2276-06** Test Method for Particulate Contaminant in Aviation Fuel by Line Sampling, **05.01**
*D2277 Withdrawn 1992; Specification for Fiberboard Nail-Base Sheathing*
**D2278-06** Test Method for Field Evaluation of Wood Preservatives in Round Post-Size Specimens, **04.10**
*D2279 Withdrawn 1982; Method of Test for Acid Wash Color of Refined Naphthalene*
*D2280 Withdrawn 1977; Method of Test for Color of Phthalic Anhydride in the Molten State and After Heating; Replaced by D3366*
**D2281-10** Test Method for Evaluation of Wetting Agents by the Skein Test, **15.04**
*D2282 Withdrawn 2006; Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe*
*D2283 Withdrawn 2004; Specification for Chlorinated Aromatic Hydrocarbons (Askarels) for Transformers*
**D2284-11** Test Method for Acidity of Sulfur Hexafluoride, **10.03**
*D2285 Withdrawn 2008; Test Method for Interfacial Tension of Electrical Insulating Oils of Petroleum Origin Against Water by the Drop-Weight Method*
*D2286 Withdrawn 1981; Recommended Practices for Sampling and Handling Phenol; Replaced by D3852*
**D2287-12** Specification for Nonrigid Vinyl Chloride Polymer and Copolymer Molding and Extrusion Compounds, **08.01**
*D2288 Withdrawn 2010; Test Method for Weight Loss of Plasticizers on Heating*
*D2289 Withdrawn 1992; Test Method for Tensile Properties of Plastics at High Speeds*
**D2290-12** Test Method for Apparent Hoop Tensile Strength of Plastic or Reinforced Plastic Pipe, **08.04**
**D2291-09** Practice for Fabrication of Ring Test Specimens for Glass-Resin Composites, **08.01**
*D2292 Withdrawn 1993; Recommended Practice for Compression Molding Test Specimens of Styrene-Butadiene Molding and Extrusion Materials; Replaced by D4703*
**D2293-96(2008)** Test Method for Creep Properties of Adhesives in Shear by Compression Loading (Metal-to-Metal), **15.06**
**D2294-96(2008)** Test Method for Creep Properties of Adhesives in Shear by Tension Loading (Metal-to-Metal), **15.06**
**D2295-96(2008)** Test Method for Strength Properties of Adhesives in Shear by Tension Loading at Elevated Temperatures (Metal-to-Metal), **15.06**
**D2296-01(2006)** Specification for Continuity of Quality of Electrical Insulating Polybutene Oil for Capacitors, **10.03**
*D2297 Withdrawn 1990; Specification for Continuity of Quality of Electrical Insulating Mineral Oil for Capacitors and Cable Accessories*
*D2298 Withdrawn 1987; Method of Test for Stability of Insulating Oils Under Electrical Stress (Merrell Test)*
*D2299 Withdrawn 1992; Recommended Practice for Determining Relative Stain Resistance of Plastics*
**D2300-08** Test Method for Gassing of Electrical Insulating Liquids Under Electrical Stress and Ionization (Modified Pirelli Method), **10.03**
**D2301-10** Specification for Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape, **10.01**
*D2302 Withdrawn 1982; Method of Test for Differential Wet Tracking Resistance of Electrical Insulating Materials with Controlled Water-to-Metal Discharges*
**D2303-13** Test Methods for Liquid-Contaminant, Inclined-Plane Tracking and Erosion of Insulating Materials, **10.01**
**D2304-10** Test Method for Thermal Endurance of Rigid Electrical Insulating Materials, **10.01**
**D2305-10** Test Methods for Polymeric Films Used for Electrical Insulation, **10.01**
*D2306 Withdrawn 2006; Test Method for $C_8$ Aromatic Hydrocarbon Analysis by Gas Chromatography*
**D2307-07a(2013)** Test Method for Thermal Endurance of Film-Insulated Round Magnet Wire, **10.02**
**D2308-07(2013)** Specification for Thermoplastic Polyethylene Jacket for Electrical Wire and Cable, **10.01**
*D2309 Withdrawn 1982; Tests for Rubber Property—Compression Set Induced by Nuclear Radiation*
**D2310-06(2012)** Classification for Machine-Made "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
*D2311 Withdrawn 1992; Specification for Perforated, Homogeneous Bituminized Fiber Drain and Sewer Pipe*
*D2312 Withdrawn 1992; Specification for Perforated, Homogeneous Bituminized Fiber Drain and Sewer Pipe for Septic Tank Disposal Fields*
*D2313 Withdrawn 1992; Specification for Perforated, Laminated-Wall Bituminized Fiber Drain and Sewer Pipe for Septic Tank Disposal Fields*
*D2314 Withdrawn 1992; Methods of Testing Homogeneous Bituminized Fiber Pipe*
*D2315 Withdrawn 1992; Methods of Testing Laminated-Wall Bituminized Fiber Pipe*
*D2316 Withdrawn 1992; Recommended Practice for Installing Bituminized Fiber Drain and Sewer Pipe*
*D2317 Withdrawn 1982; Method of Test for Benzene Insoluble (BI) Content of Tar and Pitch*
**D2318-98(2013)** Test Method for Quinoline-Insoluble (QI) Content of Tar and Pitch, **05.01**
**D2319/D2319M-98(2013)** Test Method for Softening Point of Pitch (Cube-in-Air Method), **05.01**
**D2320-98(2012)** Test Method for Density (Relative Density) of Solid Pitch (Pycnometer Method), **05.01**
**D2321-11** Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications, **08.04**
**D2322-14** Test Method for Resistance of Shoe Upper Leather to Artificial Perspiration, **15.04**
*D2323 Withdrawn 2003; Specification for Refined Pyridine (1 Degree)*
*D2324 Withdrawn 1993; Test Method for Carbon Disulfide In Benzene*
*D2325 Withdrawn 2007; Test Method for Capillary-Moisture Relationships for Coarse- and Medium-Textured Soils by Porous-Plate Apparatus; Replaced by D6386*
*D2326 Withdrawn 1976; Method of Test for Thermal Conductivity of Cellular Plastics by Means of a Probe*
*D2327 Withdrawn 1990; Test Method for Mono- and Dioctadecylamines in Water; Replaced by D4983*
*D2328 Withdrawn 1969; Method for Corrosivity Testing of Industrial Cooling Water (Coupon Test Method); Replaced by D2688*
*D2329 Withdrawn 1972; Method of Test for Biochemical Oxygen Demand of Industrial Water and Industrial Waste Water*
*D2330 Withdrawn 2011; Test Method for Methylene Blue Active Substances*
**D2331-08(2013)** Practices for Preparation and Preliminary Testing of Water-Formed Deposits, **11.02**
**D2332-13** Practice for Analysis of Water-Formed Deposits by Wavelength-Dispersive X-Ray Fluorescence, **11.02**
*D2333 Withdrawn 1987; Method of Test for Thorium in Water*
*D2334 Withdrawn 1992; Test Methods for Radioactive Iodine in Water*
*D2335 Withdrawn 1971; Method of Test for Radium-226 in Industrial Water and Industrial Waste Water*
*D2336 Withdrawn 2008; Guide for Specifying Factory Applied Wood Coatings*
**D2337-01(2010)** Test Method for Freeze-Thaw Stability of Multicolor Lacquers, **06.01**
**D2338-02(2013)** Test Method for Determining Particle Size of Multicolor Lacquers, **06.02**
**D2339-98(2011)** Test Method for Strength Properties of Adhesives in Two-Ply Wood Construction in Shear by Tension Loading, **15.06**
**D2340-13** Test Method for Peroxides in Styrene Monomer, **06.04**
*D2341 Withdrawn 1990; Specification for Rigid Urethane Foam*
*D2342 Withdrawn 1980; Method of Test for Determination of Lot-to-Lot Stabilization Uniformity of Propylene Plastics*
**D2343-09** Test Method for Tensile Properties of Glass Fiber Strands, Yarns, and Rovings Used in Reinforced Plastics, **08.01**
**D2344/D2344M-13** Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates, **15.03**
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**D2346-13** Test Method for Apparent Density of Leather, **15.04**

**D2347-00(2010)** Test Method for Measuring Area of Leather Test Specimens, **15.04**

*D2348 Withdrawn 2009; Test Method for Arsenic in Paint*

**D2349-90(2009)** Test Method for Qualitative Determination of Nature of Solvent Composition in Solvent-Reducible Paints, **06.01**

**D2350-90(2010)** Test Method for Antimony Oxide in White Pigment Separated From Solvent-Reducible Paints, **06.01**

**D2351-90(2010)** Test Method for Sulfide in White Pigment Separated from Solvent-Reducible Paints, **06.01**

**D2352-85(2010)** Test Method for Sulfur Dioxide in White Pigment Separated from Solvent-Reducible Paints, **06.01**

*D2353 Withdrawn 1991; Test Method for Flow Ratings of Organic Coatings Using the Shell Flow Comparator*

**D2354-10ε1** Test Method for Minimum Film Formation Temperature (MFFT) of Emulsion Vehicles, **06.03**

*D2355 Withdrawn 1987; Recommended Practice for liquid phase evaluation of activated carbon; Replaced by D3860*

*D2356 Withdrawn 2000; Specification for Phosphate and Silica Containing Scouring Powder Compounds*

**D2357-11** for Qualitative Classification of Surfactants by Infrared Absorption, **15.04**

**D2358-89(2009)** Test Method for Separation of Active Ingredient from Surfactant and Syndet Compositions, **15.04**

**D2359-12** Specification for Refined Benzene-535, **06.04**

**D2360-11** Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography, **06.04**

*D2361 Withdrawn 2008; Test Method for Chlorine in Coal*

*D2362 Withdrawn 1971; Method of Test for Total Volatile Content of Expandable Polystyrene Materials*

**D2363-79(2011)** Test Methods for Hydroxypropyl Methylcellulose, **06.03**

**D2364-01(2007)ε1** Test Methods for Hydroxyethylcellulose, **06.03**

*D2365 Withdrawn 1982; Method of Test for Calculation of Neutron Dose to Polymeric Materials and Application of Threshold-Foil Measurements; Replaced by E763*

*D2366 Withdrawn 1989; Method of Accelerated Testing of Moisture Blister Resistance of Exterior House Paints on Wood*

*D2367 Withdrawn 1978; Definitions of Terms Relating to Fabric Defects (Including Illustrations and Related Material); Replaced by D3990*

*D2368 Withdrawn 1978; Classification of Man-Made and Natural Fibers; Combined with D 123*

**D2369-10ε1** Test Method for Volatile Content of Coatings, **06.01**

**D2370-98(2010)** Test Method for Tensile Properties of Organic Coatings, **06.01**

**D2371-85(2010)** Test Method for Pigment Content of Solvent-Reducible Paints, **06.01**

**D2372-85(2010)** Practice for Separation of Vehicle From Solvent-Reducible Paints, **06.01**

**D2373-05(2011)** Test Method for Determination of Cobalt in Paint Driers by EDTA Method, **06.01**

**D2374-05(2011)** Test Method for Lead in Paint Driers by EDTA Method, **06.01**

**D2375-05(2011)** Test Method for Manganese in Paint Driers by EDTA Method, **06.01**

*D2376 Withdrawn 2002; Test Method for Slump of Face Glazing and Bedding Compounds on Metal Sash*

**D2377-14** Test Method for Tack-Free Time of Caulking Compounds and Sealants, **04.07**

**D2378-07(2012)** Specification for Formaldehyde 50 % Grade Uninhibited and 37 % Grade Inhibited and Uninhibited, **06.04**

**D2379-09** Test Method for Acidity of Formaldehyde Solutions, **06.04**

**D2380-04(2011)** Test Method for Methanol Content of Formaldehyde Solutions, **06.04**

*D2381 Withdrawn 2005; Test Methods for Flexible Composite Materials Used for Electrical Insulation*

*D2382 Withdrawn 1994; Test Method for Heat of Combustion of Hydrocarbon Fuels by Bomb Calorimeter (High-Precision Method); Replaced by D4809*

**D2383-14** Practice for Testing Plasticizer Compatibility in Poly(Vinyl Chloride) (PVC) Compounds Under Humid Conditions, **08.01**

**D2384-83(2009)** Test Methods for Traces of Volatile Chlorides in Butane-Butene Mixtures, **05.01**

*D2385 Withdrawn 1995; Test Method for Hydrogen Sulfide and Mercaptan Sulfur in Natural Gas (Cadmium Sulfate-Iodometric Titration Method)*

**D2386-06(2012)** Test Method for Freezing Point of Aviation Fuels, **05.01**

*D2387 Redesignated 1970- F313; Method of Test for Insoluble Contamination of Hydraulic Fluids*

*D2388 Redesignated 1970- F302; Method for Field Sampling of Aerospace Fluids*

*D2389 Withdrawn 2003; Test Method for Minimum Pressure for Vapor Phase Ignition of Monopropellents*

*D2390 Redesignated 1970- F312; Method of Test for Microscopic Sizing and Counting Particles from Aerospace Fluids on Membrane Filters*

*D2391 Redesignated 1970- F311; Method of Processing Aerospace Liquid Samples for Particulate Contamination Analysis Using Membrane Filters*

**D2392-96(2011)** Test Method for Color of Dyed Aviation Gasolines, **05.01**

*D2393 Withdrawn 1995; Test Method for Viscosity of Epoxy Resins and Related Components*

**D2394-05(2011)** Test Methods for Simulated Service Testing of Wood and Wood-Base Finish Flooring, **04.10**

**D2395-07aε1** Test Methods for Specific Gravity of Wood and Wood-Based Materials, **04.10**

**D2396-94(2012)** Test Methods for Powder-Mix Time of Poly(Vinyl Chloride) (PVC) Resins Using a Torque Rheometer, **08.01**

**D2397/D2397M-13** Specification for Cationic Emulsified Asphalt, **04.03**

*D2398 Withdrawn 1985; Test Method for Softening Point of Bitumen in Ethylene Glycol (Ring-and-Ball); Replaced by D36*

**D2399-12** Practice for Selection of Cutback Asphalts, **04.03**

*D2400 Withdrawn 2013; Specification for Varnished Glass-Polyester Cloth Used for Electrical Insulation*

*D2401 Withdrawn 1992; Test Method for Service Change of Appearance of Pile Floor Coverings*

**D2402-07(2012)** Test Method for Water Retention of Textile Fibers (Centrifuge Procedure), **07.01**

*D2403 Withdrawn 2008; Specification for Refined Phthalic Anhydride-1308*

*D2404 Withdrawn 1971; Methods of Testing Jute Backing Fabrics*

*D2405 Withdrawn 1985; Specification for General-Purpose Acrylonitrile-Butadiene/Poly(Vinyl Chloride)(NBR/PVC) Jacket for Wire and Cable; Replaced by D4244*

*D2406 Withdrawn 1980; Methods of Testing Flexible Cellular Materials-Molded Urethane Foam; Replaced by D3574*

*D2407 Withdrawn 1970; Method for Sampling Airborne Particulate Contamination in Clean Rooms for Handling Aerospace Fluids; Redesignated F318*

*D2408 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Amino-Silane Type Finishes for Plastic Laminates*

*D2409 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Vinyl-Silane Type Finishes for Plastic Laminates*

*D2410 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Chrome Complexes, for Plastic Laminates*

*D2411 Withdrawn 1995; Specification for Cellulose Acetate Butyrate Film and Sheeting for Fabricating and Forming*

**D2412-11** Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading, **08.04**

**D2413-99(2009)** Practice for Preparation of Insulating Paper and Board Impregnated with a Liquid Dielectric, **10.01**

**D2414-13a** Test Method for Carbon Black—Oil Absorption Number (OAN), **09.01**

**D2415-98(2012)** Test Method for Ash in Coal Tar and Pitch, **05.01**

**D2416-84(2009)** Test Method for Coking Value of Tar and Pitch (Modified Conradson), **05.01**

*D2417 Withdrawn 1992; Specification for Perforated, Laminated-Wall Bituminized Fiber Pipe for General Drainage*

*D2418 Withdrawn 1992; Specification for Perforated, Laminated-Wall Bituminized Fiber Pipe for Airport and Highway Drainage*

**D2419-09** Test Method for Sand Equivalent Value of Soils and Fine Aggregate, **04.03**

**D2420-13** Test Method for Hydrogen Sulfide in Liquefied Petroleum (LP) Gases (Lead Acetate Method), **05.01**

**D2421-13** Practice for Interconversion of Analysis of C5 and Lighter Hydrocarbons to Gas-Volume, Liquid-Volume, or Mass Basis, **05.01**

**D2422-97(2013)** Classification of Industrial Fluid Lubricants by Viscosity System, **05.01**

**D2423-90(2012)ε1** Test Method for Surface Wax on Waxed Paper or Paperboard, **05.01**

*D2424 Withdrawn 1985; Method of Test for Hydrocarbon Types in Propylene Polymer by Mass Spectrometry*

**D2425-04(2009)** Test Method for Hydrocarbon Types in Middle Distillates by Mass Spectrometry, **05.01**

**D2426-93(2009)** Test Method for Butadiene Dimer and Styrene in Butadiene Concentrates by Gas Chromatography, **05.01**

**D2427-06(2011)** Test Method for Determination of C, **05.01**

*D2428 Withdrawn 1997; Test Method for Simulative Recirculating System Testing of Aerospace Hydraulic Fluids*

*D2429 Withdrawn 1970; Methods of Sampling Aerospace Fluids from Components; Redesignated F303*

*D2430 Withdrawn 1970; Test Methods for Identification of Metallic and Fibrous Contaminants in Aerospace Fluids; Redesignated F314*

*D2431 Withdrawn 1979; Specification for Refined Naphthalene-798*

*D2432 Withdrawn 1985; Specification for Heavy-Duty Acrylonitrile-Butadiene Poly(Vinyl Chloride)(NBR/PVC) Jacket for Wire and Cable; Replaced by D4244*

*D2433 Withdrawn 2012; Test Methods for Rubber Thread*

**D2434-68(2006)** Test Method for Permeability of Granular Soils (Constant Head), **04.08**

**D2435/D2435M-11** Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading, **04.08**

*D2436 Withdrawn 1994; Specification for Forced-Convection Laboratory Ovens for Electrical Insulation; Replaced by D5374, D5423*

*D2437 Redesignated 1970- F301; Method for Open-Bottle Tap Sampling of Noncryogenic Fluid Systems*

*D2438 Withdrawn 1995; Test Method for Silica in Cellulose*

**D2439-12** Specification for Refined Phenol, **06.04**

**D2440-13** Test Method for Oxidation Stability of Mineral Insulating Oil, **10.03**

*D2441 Withdrawn 2000; Test Method for Hydrolyzable Chlorine Compounds in Chlorinated Aromatic Hydrocarbons (Askarels) by Refluxing*

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**D2442-75(2012)** Specification for Alumina Ceramics for Electrical and Electronic Applications, **15.02**
*D2443 Withdrawn 2000; Test Methods for Lacing Twines and Tapes Used as Harnesses in Electrical Equipment*
**D2444-99(2010)** Test Method for Determination of the Impact Resistance of Thermoplastic Pipe and Fittings by Means of a Tup (Falling Weight), **08.04**
*D2445 Withdrawn 1987; Test Method for Thermal Oxidative Stability of Propylene Plastics; Replaced by D3012*
*D2446 Withdrawn 1986; Specification for Cellulose Acetate Butyrate (CAB) Plastic Pipe (SDR-PR) and Tubing*
*D2447 Withdrawn 2010; Specification for Polyethylene (PE) Plastic Pipe, Schedules 40 and 80, Based on Outside Diameter*
**D2448-85(2012)** Test Method for Water-Soluble Salts in Pigments by Measuring the Specific Resistance of the Leachate of the Pigment, **06.03**
**D2449-88(2011)** Specification for Rubber Bales From Natural SourcesLimit on Coating, **09.01**
*D2450 Withdrawn 2002; Test Method for Bond of Oil- and Resin-Base Caulking Compounds*
*D2451 Withdrawn 2002; Test Method for Degree of Set for Glazing Compounds on Metal Sash*
**D2452-03(2009)** Test Method for Extrudability of Oil- and Resin-Base Caulking Compounds, **04.07**
**D2453-03(2009)** Test Method for Shrinkage and Tenacity of Oil- and Resin-Base Caulking Compounds, **04.07**
**D2454-08** Practice for Determining the Effect of Overbaking on Organic Coatings, **06.01**
*D2455 Withdrawn 2005; Test Method for Identification of Carboxylic Acids in Alkyd Resins*
*D2456 Withdrawn 2006; Test Method for Identification of Polyhydric Alcohols in Alkyd Resins*
**D2457-13** Test Method for Specular Gloss of Plastic Films and Solid Plastics, **08.01**
*D2458 Withdrawn 1982; Method for Flow Measurement of Industrial Water and Industrial Waste Water by the Venturi Meter Tube*
*D2459 Withdrawn 1987; Test Method for Gamma Spectrometry of Industrial Water and Industrial Waste Water*
**D2460-07(2013)** Test Method for Alpha-Particle-Emitting Isotopes of Radium in Water, **11.02**
*D2461 Withdrawn 1988; Test Method for Iron-59 in Water*
**D2462-13** Test Method for Moisture in Wool by Distillation With Toluene, **07.01**
**D2463-10b** Test Method for Drop Impact Resistance of Blow-Molded Thermoplastic Containers, **08.01**
**D2464-13** Specification for Threaded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, **08.04**
*D2465 Withdrawn 1986; Specification for Threaded Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 80*
**D2466-13** Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40, **08.04**
**D2467-13a** Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80, **08.04**
*D2468 Withdrawn 2003; Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 40*
*D2469 Withdrawn 1986; Specification for Socket-Type Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe Fittings, Schedule 80*
*D2470 Withdrawn 1989; Method of Measurement of Delayed Neutron-Emitting Fission Products in Nuclear Reactor Coolant Water During Reactor Operation*
*D2471 Withdrawn 2008; Practice for Gel Time and Peak Exothermic Temperature of Reacting Thermosetting Resins*
**D2472-00(2006)** Specification for Sulfur Hexafluoride, **10.03**
*D2473 Withdrawn 1983; Specification for Polycarbonate Molding, Extrusion, and Casting Materials; Replaced by D3935*
*D2474 Withdrawn 1999; Specification for Vinyl Chloride Copolymer Resins*
**D2475-01(2013)** Specification for Felt, **07.01**
*D2476 Withdrawn 1992; Test Method for Tritium in Water; Replaced by D4107*
**D2477-07(2012)** Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Insulating Gases at Commercial Power Frequencies, **10.03**
*D2478 Withdrawn 1978; Definitions of Terms Relating to Nails for Use with Wood and Wood-Base Materials; Replaced by F547*
*D2479 Withdrawn 1969; Test Method for Length Distribution of Cotton Fibers by the Short Method Array*
*D2480 Withdrawn 1992; Test Method for Maturity Index and Linear Density of Cotton Fibers by the Causticaire Method*
*D2481 Withdrawn 2014; Test Method for Accelerated Evaluation of Wood Preservatives for Marine Services by Means of Small Size Specimens*
*D2482 Withdrawn 2010; Test Method for Surface Strength of Paper (Wax Pick Method)*
*D2483 Withdrawn 1972; Test Method for Silicone Grit Content of Paper and Paper Products*
**D2484-06(2012)ε1** Specification for Polyester Film Pressure-Sensitive Electrical Insulating Tape, **10.01**
**D2485-91(2013)** Test Methods for Evaluating Coatings For High Temperature Service, **06.01**
**D2486-06(2012)ε1** Test Methods for Scrub Resistance of Wall Paints, **06.02**
**D2487-11** Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System), **04.08**
**D2488-09a** Practice for Description and Identification of Soils (Visual-Manual Procedure), **04.08**
**D2489/D2489M-08** Practice for Estimating Degree of Particle Coating of Bituminous-Aggregate Mixtures, **04.03**
*D2490 Withdrawn 1976; Method of Test for Tumbler Test for Small Coke; Replaced by D3402*
*D2491 Withdrawn 1981; Test Method for Staple Crimp in Grease Wool Locks*
**D2492-02(2012)** Test Method for Forms of Sulfur in Coal, **05.06**
**D2493/D2493M-09** Standard Viscosity-Temperature Chart for Asphalts, **04.03**
**D2494-13** Test Method for Commercial Mass of a Shipment of Yarn or Manufactured Staple Fiber or Tow, **07.01**
**D2495-07(2012)** Test Method for Moisture in Cotton by Oven-Drying, **07.01**
*D2496 Withdrawn 1987; Test Method for Seed Coat Fragments and Funiculi in Cotton Fiber Samples*
**D2497-07(2012)** Tolerances for Manufactured Organic-Base Filament Single Yarns, **07.01**
*D2498 Withdrawn 1984; Test Method for Isomer Distribution of Straight-Chain Detergent Alkylate by Mass Spectrometry*
*D2499 Redesignated 1970- F316; Test Method for Pore Size Characteristics of Membrane Filters for Use with Aerospace Fluids*
**D2500-11** Test Method for Cloud Point of Petroleum Products, **05.01**
**D2501-11** Test Method for Calculation of Viscosity-Gravity Constant (VGC) of Petroleum Oils, **05.01**
**D2502-04(2009)** Test Method for Estimation of Mean Relative Molecular Mass of Petroleum Oils from Viscosity Measurements, **05.01**
**D2503-92(2012)** Test Method for Relative Molecular Mass (Molecular Weight) of Hydrocarbons by Thermoelectric Measurement of Vapor Pressure, **05.01**
**D2504-88(2010)** Test Method for Noncondensable Gases in $C_2$ and Lighter Hydrocarbon Products by Gas Chromatography, **05.01**
**D2505-88(2010)** Test Method for Ethylene, Other Hydrocarbons, and Carbon Dioxide in High-Purity Ethylene by Gas Chromatography, **05.01**
*D2506 Withdrawn 1998; Terminology Relating to Solid Rocket Propulsion*
*D2507 Withdrawn 2003; Terminology of Rheological Properties of Gelled Rocket Propellants*
*D2508 Withdrawn 2003; Test Method for Solid Rocket Propellant Specific Impulse Measurements*
**D2509-03(2008)** Test Method for Measurement of Load-Carrying Capacity of Lubricating Grease (Timken Method), **05.01**
**D2510-94(2012)** Test Method for Adhesion of Solid Film Lubricants, **05.01**
**D2511-93(2009)** Test Method for Thermal Shock Sensitivity of Solid Film Lubricants, **05.01**
**D2512-95(2008)** Test Method for Compatibility of Materials with Liquid Oxygen (Impact Sensitivity Threshold and Pass-Fail Techniques), **14.04**
**D2513-13** Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings, **08.04**
*D2514 Withdrawn 1977; Tolerances for Fabrics Woven from All-Cotton or from Cotton Man-Made Fiber Blends*
*D2515 Redesignated 1977- D446; Specification for Kinematic Glass Capillary Viscometers*
*D2516 Withdrawn 1979; Recommended Practice for Nomenclature for Rubber-Grade Carbon Blacks; Replaced by D1765*
**D2517-06(2011)** Specification for Reinforced Epoxy Resin Gas Pressure Pipe and Fittings, **08.03**
*D2518 Withdrawn 2013; Specification for Woven Glass Fabrics for Electrical Insulation*
**D2519-07(2012)** Test Method for Bond Strength of Electrical Insulating Varnishes by the Helical Coil Test, **10.02**
**D2520-13** Test Methods for Complex Permittivity (Dielectric Constant) of Solid Electrical Insulating Materials at Microwave Frequencies and Temperatures to 1650°C, **10.02**
**D2521/D2521M-76(2014)ε1** Specification for Asphalt Used in Canal, Ditch, and Pond Lining, **04.04**
**D2522-03(2008)ε2** Test Method for Chlorine Content of Polybutenes Used for Electrical Insulation, **10.03**
**D2523-13** Practice for Testing Load-Strain Properties of Roofing Membranes, **04.04**
**D2524-13** Test Method for Breaking Tenacity of Wool Fibers, Flat Bundle Method - 18-in. (3.2-mm) Gage Length, **07.01**
**D2525-13** Practice for Sampling Wool for Moisture, **07.01**
*D2526 Withdrawn 2006; Specification for Ozone-Resisting Silicone Rubber Insulation for Wire and Cable*
**D2527-83(2011)** Specification for Rubber Seals—Splice Strength, **09.02**
*D2528 Withdrawn 1975; Method of Test for Dirt in Casein and Isolated Soy Protein*
*D2529 Withdrawn 1985; Method of Test for Bursting Strength of Paperboard and Linerboard*
*D2530 Withdrawn 1989; Specification for Nonoriented Propylene Plastic Film*
*D2531 Withdrawn 1980; Specification for Phenoxy Plastics Molding and Extrusion Materials*
**D2532-10** Test Method for Viscosity and Viscosity Change After Standing at Low Temperature of Aircraft Turbine Lubricants, **05.01**
*D2533 Withdrawn 2008; Test Method for Vapor-Liquid Ratio of Spark-Ignition Engine Fuels*
**D2534-88(2012)** Test Method for Coefficient of Kinetic Friction for Wax Coatings, **05.01**
*D2535 Redesignated 1970- F304; Method of Sampling for Particulates from Aerospace Components with Convolutes*
*D2536 Redesignated F305*
*D2537 Redesignated F306*
**D2538-02(2010)** Practice for Fusion of Poly(Vinyl Chloride) (PVC) Compounds Using a Torque Rheometer, **08.01**
*D2539 Withdrawn 2003; Test Method for Shock Sensitivity of Liquid Monopropellants by the Card-Gap Test*

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*D2540 Withdrawn 2003; Test Method for Drop-Weight Sensitivity of Liquid Monopropellants*
*D2541 Withdrawn 2003; Test Method for Critical Diameter and Detonation Velocity of Liquid Monopropellants*
*D2542 Redesignated F309*
*D2543 Redesignated F310*
*D2544 Redesignated F307*
*D2545 Withdrawn; Method of Sampling for Particulates From Aerospace Components or System (Gas Blow-Down Method)*
*D2546 Redesignated F315*
*D2547 Withdrawn 1991; Test Method for Lead in Gasoline*
*D2548 Withdrawn 1979; Method of Test for Analysis of Oil Soluble Petroleum Sulfonates by Liquid Chromatography; Replaced by D3712*
**D2549-02(2012)** Test Method for Separation of Representative Aromatics and Nonaromatics Fractions of High-Boiling Oils by Elution Chromatography, **05.01**
*D2550 Withdrawn 1991; Test Method for Water Separation Characteristics of Aviation Turbine Fuels*
*D2551 Withdrawn 1989; Test Method for Vapor Pressure of Petroleum Products*
*D2552 Withdrawn 1987; Method of Test for Environmental Stress Rupture of Type III Polyethylenes Under Constant Tensile Load*
*D2553 Withdrawn 1992; Test Method for Detecting Odor of Drycleaning Detergent on a Drycleaned Garment*
*D2554 Withdrawn 1992; Test Method for Flash Point of Drycleaning Detergents in the Drycleaning Bath*
**D2555-06(2011)** Practice for Establishing Clear Wood Strength Values, **04.10**
**D2556-14** Test Method for Apparent Viscosity of Adhesives Having Shear-Rate-Dependent Flow Properties Using Rotational Viscometry, **15.06**
**D2557-98(2010)ε1** Test Method for Tensile-Shear Strength of Adhesives in the Subzero Temperature Range from –267.8 to –55°C (–450 to –67°F), **15.06**
*D2558 Withdrawn 1992; Test Method for Evaluating Peel Strength of Shoe Sole-Attaching Adhesives*
**D2559-12a** Specification for Adhesives for Bonded Structural Wood Products for Use Under Exterior Exposure Conditions, **15.06**
*D2560 Withdrawn 1987; Specification for Solvent Cements for Cellulose Acetate Butyrate (CAB) Plastic Pipe, Tubing, and Fittings*
**D2562-94(2008)** Practice for Classifying Visual Defects in Parts Molded from Reinforced Thermosetting Plastics, **08.01**
**D2563-08** Practice for Classifying Visual Defects in Glass-Reinforced Plastic Laminate Parts, **08.01**
**D2564-12** Specification for Solvent Cements for Poly(Vinyl Chloride) (PVC) Plastic Piping Systems, **08.04**
**D2565-99(2008)** Practice for Xenon-Arc Exposure of Plastics Intended for Outdoor Applications, **08.01**
*D2566 Withdrawn 1993; Test Method for Linear Shrinkage of Cured Thermosetting Casting Resins During Cure*
*D2567 Withdrawn 1984; Molecular Distribution Analysis for Monoalkylbenzenes by Mass Spectrometry*
*D2568 Withdrawn 1980; Recommended Practice for Calculation of Absorbed Dose from Gamma Radiation; Replaced by E665*
*D2569 Withdrawn 2006; Test Method for Distillation of Pitch*
**D2570-10** Test Method for Simulated Service Corrosion Testing of Engine Coolants, **15.05**
*D2571 Withdrawn 2003; Guide forTesting Wood Furniture Lacquers*
**D2572-97(2010)** Test Method for Isocyanate Groups in Urethane Materials or Prepolymers, **06.03**
**D2573-08** Test Method for Field Vane Shear Test in Cohesive Soil, **04.08**
**D2574-06(2012)** Test Method for Resistance of Emulsion Paints in the Container to Attack by Microorganisms, **06.01**
*D2575 Withdrawn 2007; Methods of Testing Polymerized Fatty Acids*
*D2576 Withdrawn 1981; Method of Test for Metals in Water and Waste Water by Atomic Absorption Spectrophotometry*
*D2577 Withdrawn 1989; Test Method for Radioactive Cesium in Water*
**D2578-09** Test Method for Wetting Tension of Polyethylene and Polypropylene Films, **08.01**
*D2579 Withdrawn 2002; Test Method for Total Organic Carbon in Water*
**D2580-06(2012)** Test Method for Phenols in Water by Gas-Liquid Chromatography, **11.02**
**D2581-09** Classification System for Polybutylene (PB) Plastics Molding and Extrusion Materials, **08.01**
**D2582-09** Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting, **08.01**
**D2583-13a** Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor, **08.01**
**D2584-11** Test Method for Ignition Loss of Cured Reinforced Resins, **08.01**
*D2585 Withdrawn 1996; Test Method for Preparation and Tension Testing of Filament-Wound Pressure Vessels*
*D2586 Withdrawn 1996; Test Method for Hydrostatic Compressive Strength of Glass-Reinforced Plastic Cylinders*
*D2587 Withdrawn 1990; Test Method for Acetone Extraction and Ignition of Glass Fiber Strands*
*D2588 Withdrawn 1972; Method of Test for Standard Plate Count of Casein and Isolated Soy Protein*
**D2589/D2589M-88(2011)ε1** Test Method for McNett Wet Classification of Dual Asbestos Fiber, **04.05**
**D2590/D2590M-98(2011)ε1** Test Method for Sampling Chrysotile Asbestos, **04.05**
**D2591-07(2013)** Test Method for Linear Density of Elastomeric Yarns (Short Length Specimens), **07.01**
*D2592 Withdrawn 1972; Method of Test for Sieve Analysis of Casein and Isolated Soy Protein*
**D2593-93(2009)** Test Method for Butadiene Purity and Hydrocarbon Impurities by Gas Chromatography, **05.01**
**D2594-04(2012)** Test Method for Stretch Properties of Knitted Fabrics Having Low Power, **07.01**
**D2595-96(2008)ε1** Test Method for Evaporation Loss of Lubricating Greases Over Wide-Temperature Range, **05.01**
**D2596-10** Test Method for Measurement of Extreme-Pressure Properties of Lubricating Grease (Four-Ball Method), **05.01**
**D2597-10** Test Method for Analysis of Demethanized Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography, **05.01**
**D2598-12** Practice for Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis, **05.01**
*D2599 Withdrawn 1993; Methods of Test for Lead in Gasoline by X-ray Spectrometry*
*D2600 Withdrawn 1992; Test Method for Aromatic Traces in Light Saturated Hydrocarbons by Gas Chromatography; Replaced by D4420*
*D2601 Withdrawn 1985; Test Method for Hydrocarbon Types in Propylene Tetramer by Low Ionizing Voltage Mass Spectrometry*
*D2602 Withdrawn 1993; Apparent Viscosity of Engine Oils at Low Temperature Using the Cold-Cranking Simulator; Replaced by D5293*
**D2603-01(2013)** Test Method for Sonic Shear Stability of Polymer-Containing Oils, **05.01**
*D2604 Withdrawn 2006; Specification for High-Boiling Hydrocarbon Solvent for Preparing Oil-Borne Preservative Solutions*
*D2605 Withdrawn 1993; Specification for Volatile Petroleum Solvent (LPG) for Preparing Pentachlorophenol Solutions*
*D2606 Withdrawn 2006; Test Method for Solubility of Pentachlorophenol in Heavy Hydrocarbon Solvents*
*D2607 Withdrawn 1992; Classification of Peats, Mosses, Humus, and Related Products*
*D2608 Withdrawn 1990; Test Method for Copper in Electrical Insulating Oils by Photometric Analysis*
**D2609-02(2008)** Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe, **08.04**
*D2610 Withdrawn 1979; Specification for Butt Fusion Polyethylene (PE) Plastic Pipe Fittings, Schedule 40; Replaced by D3261*
*D2611 Withdrawn 1979; Specification for Butt Fusion Polyethylene (PE) Plastic Pipe Fittings, Schedule 80; Replaced by D3261*
**D2612-99(2011)** Test Method for Fiber Cohesion in Sliver and Top (Static Tests), **07.01**
**D2613-01(2012)** Test Method for Calcium or Zinc in Paint Driers by EDTA Method, **06.01**
*D2614 Withdrawn 1971; Method of Test for Giding Poer of Chromatic Paints; Replaced by D2805*
*D2615 Withdrawn 1981; Method of Test for Free Yoluene Diisocyanate in Urethane Polymers by Distillation; Replaced by D3432*
**D2616-12** Test Method for Evaluation of Visual Color Difference With a Gray Scale, **06.01**
**D2617-12** Test Method for Total Ash in Leather, **15.04**
*D2618 Withdrawn 1984; Method of Test for Pressure Blocking and Picking Points of Petroleum Wax*
**D2619-09** Test Method for Hydrolytic Stability of Hydraulic Fluids (Beverage Bottle Method), **05.01**
*D2620 Withdrawn 2001; Test Method for Light Stability of Clear Coatings*
**D2621-87(2011)** Test Method for Infrared Identification of Vehicle Solids From Solvent-Reducible Paints, **06.01**
**D2622-10** Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry, **05.01**
*D2623 Withdrawn 1991; Test Method for Knock Characteristics of Liquified Petroleum (LP) Gases by the Motor (LP) Method*
**D2624-09** Test Methods for Electrical Conductivity of Aviation and Distillate Fuels, **05.01**
**D2625-94(2010)** Test Method for Endurance (Wear) Life and Load-Carrying Capacity of Solid Film Lubricants (Falex Pin and Vee Method), **05.01**
**D2626/D2626M-04(2012)ε1** Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing, **04.04**
**D2627-08(2012)** Specification for Diacetone Alcohol, **06.04**
**D2628-91(2011)** Specification for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements, **04.03**
*D2629 Withdrawn 1977; Specification for Hot Mixed, Hot Laid Emulsified Asphalt Paving Mixtures; Replaced by D3515*
*D2630 Withdrawn 1990; Test Method for Rubber Property—Adhesion to Fabrics (Strap Peel Test); Replaced by D4393, D4776, D4777*
*D2631 Withdrawn 1985; Methods for Testing Paper by Direct-Voltage Life Testing of Capacitors*
**D2632-01(2014)** Test Method for Rubber Property—Resilience by Vertical Rebound, **09.01**
**D2633-13a** Test Methods for Thermoplastic Insulations and Jackets for Wire and Cable, **10.02**
**D2634-07(2013)** Specification for Methyl Amyl Acetate (95 % Grade), **06.04**
**D2635-07(2012)** Specification for Methyl Isobutyl Carbinol, **06.04**
**D2636-07(2012)** Specification for Hexylene Glycol, **06.04**
*D2637 Withdrawn 1972; Specification for Hexyl Acetate*
**D2638-10** Test Method for Real Density of Calcined Petroleum Coke by Helium Pycnometer, **05.01**

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*D2640 Withdrawn 1973; Method of Test for Drop Shatter Test for Large Coke; Replaced by D3038*
*D2641 Withdrawn 1995; Test Methof for Chlorine in Cellulose*
*D2642 Withdrawn 1972; Method of Test for Viscosity of Casein and Isolated Soy Protein*
**D2643/D2643M-08(2013)ε1** Specification for Prefabricated Bituminous Geomembrane Used as Canal and Ditch Liner (Exposed Type), **04.13**
**D2644-12** Tolerances for Yarns Spun on the Woolen System, **07.01**
**D2645-07(2012)** Tolerances for Yarns Spun on the Cotton or Worsted Systems, **07.01**
**D2646-11** Test Methods for Backing Fabric Characteristics of Pile Yarn Floor Coverings, **07.01**
**D2647-10** Specification for Crosslinkable Ethylene Plastics, **08.01**
*D2648 Withdrawn 1977; Recommended Practice for Measuring Time to Failure by Rupture of Plastics Under Tension in Various Environments; Replaced by D2990*
**D2649-04(2009)** Test Method for Corrosion Characteristics of Solid Film Lubricants, **05.01**
**D2650-10** Test Method for Chemical Composition of Gases by Mass Spectrometry, **05.01**
**D2651-01(2008)** Guide for Preparation of Metal Surfaces for Adhesive Bonding, **15.06**
**D2652-11** Terminology Relating to Activated Carbon, **15.01**
**D2653-07(2012)** Test Method for Tensile Properties of Elastomeric Yarns (CRE Type Tensile Testing Machines), **07.01**
*D2654 Withdrawn 1998; Test Methods for Moisture in Textiles*
**D2655-12** Specification for Crosslinked Polyethylene Insulation for Wire and Cable Rated 0 to 2000 V, **10.02**
**D2656-13** Specification for Crosslinked Polyethylene Insulation for Wire and, **10.02**
**D2657-07** Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings, **08.04**
**D2658-04(2013)** Test Method for Determining Interior Dimensions of Fiberboard Boxes (Box Gage Method), **15.10**
**D2659-11** Test Method for Column Crush Properties of Blown Thermoplastic Containers, **08.01**
*D2660 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Acrylic-Silane Type Finishes, for Plastic Laminates*
**D2661-11** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings, **08.04**
*D2662 Withdrawn 2003; Specification for Polybutylene (PB) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter*
**D2663-14** Test Methods for Carbon Black—Dispersion in Rubber, **09.01**
*D2664 Withdrawn 2005; Test Method for Triaxial Compressive Strength of Undrained Rock Core Specimens Without Pore Pressure Measurements; Replaced by D7012*
**D2665-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, **08.04**
*D2666 Withdrawn 2005; Specification for Polybutylene (PB) Plastic Tubing*
*D2667 Withdrawn 2013; Test Method for Biodegradability of Alkylbenzene Sulfonates*
**D2668-07(2013)** Test Method for 2,6-di-tert-Butyl- p-Cresol and 2,6-di-tert-Butyl Phenol in Electrical Insulating Oil by Infrared Absorption, **10.03**
**D2669-06(2012)ε1** Test Method for Apparent Viscosity of Petroleum Waxes Compounded with Additives (Hot Melts), **05.01**
**D2670-95(2010)** Test Method for Measuring Wear Properties of Fluid Lubricants (Falex Pin and Vee Block Method), **05.01**
**D2671-13** Test Methods for Heat-Shrinkable Tubing for Electrical Use, **10.02**
**D2672-96a(2009)** Specification for Joints for IPS PVC Pipe Using Solvent Cement, **08.04**
**D2673-09** Specification for Oriented Polypropylene Film, **08.01**
**D2674-72(2012)** Methods of Analysis of Sulfochromate Etch Solution Used in Surface Preparation of Aluminum, **15.06**
*D2675 Withdrawn 1985; Method of Test for Copper in Insulating Oils Spectrochemically by the Solution-Rotating Disk Method*
*D2676 Redesignated G22*
*D2677 Withdrawn 1986; Method of Test for Lightability of Barbecue Briquets*
*D2678 Withdrawn 1991; Practice for Spinning Tests on the Cotton System for Measurement of Yarn Properties*
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**D2680-01(2009)** Specification for Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Composite Sewer Piping, **08.04**
*D2681 Withdrawn 1972; Method of Test for Lead in the Atmosphere*
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*D2689 Withdrawn 2008; Practices for Testing Alkyd Resins*
*D2690 Withdrawn 2007; Test Method for Isophthalic Acid in Alkyd and Polyester Resins*
*D2691 Withdrawn 1993; Test Method for Microscopical Measurement of Dry Film Thickness of Coatings on Wood Products; Replaced by D5235*
**D2692/D2692M-10(2014)** Test Method for Air Wicking of Tire Fabrics, Tire Cord Fabrics, Tire Cord, and Yarns, **07.01**
**D2693-07(2012)** Specification for Ethylene Glycol, **06.04**
**D2694-05(2011)** Specification for Diethylene Glycol, **06.04**
*D2695 Withdrawn 1991; Specification for Propylene Glycol*
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*D2701 Withdrawn 1977; Method for Chemical Analysis for Aluminum Oxide Content of Titanium Dioxide Pigments; Replaced by D1394*
**D2702-05(2011)** Practice for Rubber Chemicals—Determination of Infrared Absorption Characteristics, **09.01**
*D2703 Withdrawn 2000; Practice for Rubber Chemicals—Determination of Ultraviolet Absorbance Characteristics*
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*D2705 Withdrawn 1973; Method of Test for Measurement of Curing Characteristics with the Oscillating Disc Rheometer Cure Meter*
*D2706 Withdrawn 1973; Method of Test for Measurement of Curing Characteristics with the Viscometer Cure Meter*
*D2707 Withdrawn 1989; Test Method for Hard Rubber in Tension*
*D2708 Withdrawn 1985; Specification for Extra-Heavy-Duty Acrylonitrile-Butadiene/Poly(Vinyl Chloride)(NBR/PVC) Jacket for Wire and Cable; Replaced by D4244*
**D2709-96(2011)ε1** Test Method for Water and Sediment in Middle Distillate Fuels by Centrifuge, **05.01**
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**D2713-13** Test Method for Dryness of Propane (Valve Freeze Method), **05.01**
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*D2716 Withdrawn 1982; Method of Test for Coefficient of Friction and Wear Characteristics of Solid Film Lubricants in Vacuum and Other Controlled Atmospheres*
**D2717-95(2009)** Test Method for Thermal Conductivity of Liquids, **05.01**
**D2718-00(2011)** Test Methods for Structural Panels in Planar Shear (Rolling Shear), **04.10**
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*D2721 Withdrawn 1989; Method of Test for Effects of Drycleaning on Permanence of Durable Water-Repellent Finish*
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*D2725 Withdrawn 1996; Test Method for Hydrogen Sulfide in Natural Gas (Methylene Blue Method)*
**D2726/D2726M-13** Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures, **04.03**
*D2727 Withdrawn 1979; Test for Coating and Resistance to Stripping of Bituminous-Aggregate Mixtures Containing Adhesion Promoting Agents*
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*D2730 Withdrawn 1987; Method for Sag Flow of Highly Viscous Materials*
**D2731-07(2012)** Test Method for Elastic Properties of Elastomeric Yarns (CRE Type Tensile Testing Machines), **07.01**
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*D2733 Withdrawn 1981; Method of Test for Interlaminar Shear Strength of Structural reiRforced Plastics at Elevated Temperatures; Replaced by D3846*
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*D2738 Withdrawn 1982; Test Method for Bursting Strength of Corrugated and Solid Fiberboard; Replaced by TAPPI T 810*
**D2739-97(2010)** Test Method for Volume Resistivity of Conductive Adhesives, **15.06**
*D2741 Withdrawn 2011; Test Method for Susceptibility of Polyethylene Bottles to Soot Accumulation*
*D2742 Withdrawn 1990; Methods for Chemical Analysis of Tribasis Lead Phosphosilicate*
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**D2745-00(2008)** Test Method for Relative Tinting Strength of White Pigments by Reflectance Measurements, **06.01**
**D2746-07(2013)** Test Method for Staining Tendency of Asphalt (Stain Index), **04.04**
*D2747 Withdrawn 1986; Method of Test for Trace Quantities of Total Sulfur in Volatile Organic Liquids (Oxy-Hydrogen Combustion Method)*
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*D2753 Withdrawn 1993; Specification for Electrolytic Capacitor Paper*
**D2754-10** Specification for High-Temperature Glass Cloth Pressure-Sensitive Electrical Insulating Tape, **10.02**
*D2755 Withdrawn 2003; Test Method of Sampling and Reduction to Test Weight of Electrical Grade Magnesium Oxide*
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**D2758-94(2009)** Test Method for Engine Coolants by Engine Dynamometer, **15.05**
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*D2760 Withdrawn 2000; Test Method for Analysis of Sodium Triphosphate by the Simplified Paper Chromatographic Method*
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**D2765-11** Test Methods for Determination of Gel Content and Swell Ratio of Crosslinked Ethylene Plastics, **08.01**
**D2766-95(2009)** Test Method for Specific Heat of Liquids and Solids, **05.01**
*D2767 Redesignated F317*
*D2768 Withdrawn 2007; Specification for General-Purpose Ethylene-Propylene Rubber Jacket for Wire and Cable*
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*D2770 Withdrawn 2007; Specification for Ozone-Resisting Ethylene-Propylene Rubber Integral Insulation and Jacket for Wire and Cable*
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*D2772 Withdrawn 2003; Test Method for Sieve Analysis of Electrical Grade Magnesium Oxide*
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**D2774-12** Practice for Underground Installation of Thermoplastic Pressure Piping, **08.04**
*D2775 Withdrawn 1975; Method of Test for Insolubles in Casein*
*D2776 Withdrawn 1991; Test Methods for Corrosivity of Water in the Absence of Heat Transfer (Electrical Methods); Replaced by G96*
**D2777-13** Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D19 on Water, **11.01**
*D2778 Withdrawn 1982; Method of Test for Solvent Extraction of Organic Matter from Water*
**D2779-92(2012)** Test Method for Estimation of Solubility of Gases in Petroleum Liquids, **05.01**
*D2780 Withdrawn 2010; Test Method for Solubility of Fixed Gases in Liquids*
*D2781 Withdrawn 1992; Test Method for Compatibility of Fuel Oil Blends by Spot Test; Replaced by D4740*
**D2782-02(2008)** Test Method for Measurement of Extreme-Pressure Properties of Lubricating Fluids (Timken Method), **05.01**
**D2783-03(2009)** Test Method for Measurement of Extreme-Pressure Properties of Lubricating Fluids (Four-Ball Method), **05.01**
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*D2785 Withdrawn 1989; Test Method for Trace Quantities of Total Sulfur (Wickbold and Beckman Combustion Apparatus)*
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**D2791-13** Test Method for On-line Determination of Sodium in Water, **11.01**
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*D2795 Withdrawn 2001; Test Method for Analysis of Coal and Coke Ash*
*D2796 Withdrawn 1995; Terminology Relating to Megascopic Description of Coal and Coal Seams and Microscopical Description and Analysis of Coal*
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**D2799-13** Test Method for Microscopical Determination of the Maceral Composition of Coal, **05.06**
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**D2802-03(2010)** Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation, **10.02**
**D2803-09** Guide for Testing Filiform Corrosion Resistance of Organic Coatings on Metal, **06.01**
**D2804-02(2012)** Test Method for Purity of Methyl Ethyl Ketone By Gas Chromatography, **06.04**
**D2805-11** Test Method for Hiding Power of Paints by Reflectometry, **06.01**
*D2806 Withdrawn 1982; Test Method for Flat Crush of Corrugating Medium; Replaced by TAPPI T 809*
**D2807-93(2009)$^{\epsilon 1}$** Test Method for Chromic Oxide in Leather (Perchloric Acid Oxidation), **15.04**
*D2808 Withdrawn 1991; Test Method for Compressive Strength of Corrugated Fiberboard (Short Column Test)*
**D2809-09** Test Method for Cavitation Corrosion and Erosion-Corrosion Characteristics of Aluminum Pumps With Engine Coolants, **15.05**
**D2810-13** Test Method for pH of Leather, **15.04**
*D2811 Withdrawn 1991; Methods for Spinning Tests on the Cotton System for Measurement of Spinning Performance*
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**D2813-03(2013)** Practice for Sampling Leather for Physical and Chemical Tests, **15.04**
*D2814 Withdrawn 1978; Method of Test for Color Change Due to Flat Abrasion (Frosting)*
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*D2818 Withdrawn 1992; Specification for Homogeneous Bituminized Fiber Pipe for Airport and Highway Drainage*
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*D2826 Withdrawn 1979; Specification for Styrene Monomer 993*
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*D2828 Withdrawn 2004; Specification for Nonbituminous Inserts for Contraction Joints in Portland Cement Concrete Airfield Pavements, Sawable Type*
**D2829-07(2013)** Practice for Sampling and Analysis of Existing Built-Up Roof Systems, **04.04**
*D2830 Withdrawn 2004; Test Method for Exterior Durability of Factory-Primed Field Finished Wood Products*
*D2831 Withdrawn 1981; Method of Test for Evaluating the Ability of a Latex Paint to Resist Efflorescence from the Substrate*
**D2832-92(2011)** Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings, **06.01**
*D2833 Withdrawn 1994; Index of Methods for Testing Architectural Paints and Coatings; Replaced by D5324*
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*D2836 Withdrawn 1977; Specification for Filled Poly(Vinyl Chloride)(PVC) Sewer Pipe*
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*D2840 Withdrawn 1984; Method of Test for Average True Particle Density of Hollow Microspheres*
*D2841 Withdrawn 1999; Practice for Sampling Hollow Microspheres*
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*D2848 Withdrawn 1983; Specification for Reinforced Polycarbonate InjectIon Molding and Extrusion Materials; Replaced by D3935*
*D2849 Withdrawn 1989; Method of Testing Urethane Foam Polyol Raw Materials*
**D2850-03a(2007)** Test Method for Unconsolidated-Undrained Triaxial Compression Test on Cohesive Soils, **04.08**
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*D2853 Withdrawn 1989; Specification for Reinforced Olefin Injection Molding and Extrusion Materials*
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*D2856 Withdrawn 2006; Test Method for Open-Cell Content of Rigid Cellular Plastics by the Air Pycnometer; Replaced by D6226*
**D2857-95(2007)** Practice for Dilute Solution Viscosity of Polymers, **08.01**
*D2858 Withdrawn 2003; Test Method for Thermal Conductivity of Electrical Grade Magnesium Oxide*
**D2859-06(2011)** Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials, **04.07**
*D2860M Withdrawn 1998; Replaced by D2860/D2860M*
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*D2869 Withdrawn 1974; Method of Test for Black Heel Marking Tendencies of Waxes and Polymer Floor Finishes*
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**D2875-00(2010)** Test Method for Insoluble Ash of Vegetable-Tanned Leather, **15.04**
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*D2882 Withdrawn 2003; Test Method for Indicating Wear Characteristics of Petroleum and Non-Petroleum Hydraulic Fluids in Constant Volume Vane Pump*
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*D2886 Withdrawn 1991; Test Method for Knock Characteristics of Motor Fuels by the Distribution Octane Number (DON) Method*
**D2887-13** Test Method for Boiling Range Distribution of Petroleum Fractions by Gas Chromatography, **05.01**
*D2888 Withdrawn 1982; Method for Analysis of Liquified Petroleum Gases (LPG) by Process Gas Chromatography*
**D2889-95(2010)** Test Method for Calculation of True Vapor Pressures of Petroleum Distillate Fuels, **05.01**
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*D2891 Withdrawn 1981; Methods for Validation of Results of Process Distillation Analyzers; Replaced by D3764*
**D2892-13** Test Method for Distillation of Crude Petroleum (15-Theoretical Plate Column), **05.01**
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*D2894 Withdrawn 1979; Methods for Analysis of Calcium and Barium Petroleum Sulfonates by Liquid Chromatography; Replaced by D3712*
*D2895 Withdrawn 2004; Test Method for Gloss Retention of Waxed Paper and Paperboard After Storage at 40°C (104°F)*
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*D2897 Withdrawn 1984; Specification for Reinforced and Filled Nylon Injection Molding and Extrusion Materials; Replaced by D4066*
**D2898-10** Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing, **04.10**
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*D2900 Withdrawn 2003; Test Method for Accelerated Life Test of Electrical Grade Magnesium Oxide as Used in Sheathed-Type Electric Heating Elements*
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**D2902-00(2013)$^{\epsilon 1}$** Specification for Fluoropolymer Resin Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
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*D2904 Withdrawn 2008; Practice for Interlaboratory Testing of a Textile Test Method that Produces Normally Distributed Data*
*D2905 Withdrawn 2008; Practice for Statements on Number of Specimens for Textiles*
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*D2907 Withdrawn 2003; Test Methods for Microquantities of Uranium in Water by Fluorometry*
**D2908-91(2011)** Practice for Measuring Volatile Organic Matter in Water by Aqueous-Injection Gas Chromatography, **11.02**
*D2909 Withdrawn 1990; Test Method for Cyclohexylamine in Water; Replaced by D4983*
*D2910 Withdrawn 1992; Practice for Concentration and Recovery of Organic Matter from Water by Activated Carbon*
**D2911-10** Specification for Dimensions and Tolerances for Plastic Bottles, **08.01**
*D2912 Withdrawn 1991; Test Method for Oxidant Content of the Atmosphere (Neutral KI)*
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**D2921-98(2011)** Test Method for Qualitative Tests for the Presence of Water Repellents and Preservatives in Wood Products, **06.02**
*D2922 Withdrawn 2007; Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth); Replaced by D6938*
**D2923-13** Test Method for Rigidity of Polyolefin Film and Sheeting, **08.01**
**D2924-12** Test Method for External Pressure Resistance of "Fiberglass", **08.03**
**D2925-01(2007)$^{\epsilon 1}$** Test Method for Beam Deflection of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe Under Full Bore Flow, **08.03**
*D2926 Withdrawn 1989; Test Method for Bulk Modulus of Elasticity of Syntactic Foam (Piston-Cylinder Method)*
*D2927 Withdrawn 1974; Method of Test for Measurement of Tensile Creep and Creep Rupture of Reinforced Thermoplastics; Replaced by D2990*
*D2928 Withdrawn 1981; Method for Sampling Stacks for Particulate Matter; Replaced by D3685*
**D2929-89(2011)** Test Method for Sulfur Content of Cellulosic Materials by X-Ray Fluorescence, **06.03**

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*D2930 Withdrawn 2012; Test Method for Maleic Acid in Maleic Anhydride by Potentiometric Titration*
*D2931 Withdrawn 1994; Guide for Testing Latex Flat Wall Paints; Replaced by D5324*
*D2932 Withdrawn 1993; Guide for Testing Exterior Solvent-Based House and Trim Coatings; Replaced by D5416*
*D2933 Withdrawn 1992; Test Method for Corrosion Resistance of Coated Steel Specimens (Cyclic Method)*
*D2934 Withdrawn 1994; Practice for Rubber Seals—Compatibility With Service Fluids*
*D2935 Withdrawn 2005; Test Method for Apparent Density of Industrial Aromatic Hydrocarbons*
**D2936-08** Test Method for Direct Tensile Strength of Intact Rock Core Specimens, **04.08**
**D2937-10** Test Method for Density of Soil in Place by the Drive-Cylinder Method, **04.08**
*D2938 Withdrawn 2005; Test Method for Unconfined Compressive Strength of Intact Rock Core Specimens; Replaced by D7012*
*D2939 Withdrawn 2012; Test Methods for Emulsified Bitumens Used as Protective Coatings*
**D2940/D2940M-09** Specification for Graded Aggregate Material For Bases or Subbases for Highways or Airports, **04.03**
**D2941-13** Test Method for Measuring Break Pattern of Leather (Break Scale), **15.04**
**D2942-02(2013)** Test Method for Total Acid Acceptance of Halogenated Organic Solvents (Nonreflux Methods), **15.05**
**D2943-02(2012)** Test Method for Aluminum Scratch of 1,1,1-Trichloroethane to Determine Stability, **15.05**
**D2944-13** Practice of Sampling Processed Peat Materials, **04.08**
*D2945 Withdrawn 2011; Test Method for Gas Content of Insulating Oils*
**D2946-01(2010)** Terminology for Asbestos and Asbestos–Cement Products, **04.05**
**D2947/D2947M-88(2011)$^{\epsilon 1}$** Test Method for Screen Analysis of Asbestos Fibers, **04.05**
*D2948 Withdrawn 1986; Specification for Glass-Reinforced and Glass-Filled Acetal Resin Molding and Extrusion Materials; Replaced by D4181*
**D2949-10** Specification for 3.25-in. Outside Diameter Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings, **08.04**
**D2950/D2950M-11** Test Method for Density of Bituminous Concrete in Place by Nuclear Methods, **04.03**
*D2951 Withdrawn 2006; Test Method for Resistance of Types III and IV Polyethylene Plastics to Thermal Stress-Cracking*
*D2952 Withdrawn 1999; Specification for Ethylene Plastics*
*D2953 Withdrawn 1986; Classification System for Polymeric Materials for Service in Ionizing Radiation*
*D2954 Withdrawn 1985; Method of Test for Absorbed Gamma and Electron Radiation Dose with the Ferrous Sulfate-Cupric Sulfate Dosimeter*
*D2955 Withdrawn 2000; Specification for Hand Scrubbing Soap (Grit Soap) Paste and Bar*
*D2956 Withdrawn 1985; Practice for Conducting Controlled Shock Input Tests for Shipping Containers; Replaced by D4003*
*D2957 Withdrawn 2000; Specification for Hand Scrubbing Soap (Grit Soap) Powder*
*D2958 Withdrawn 2000; Specification for Powdered Toilet Soap*
**D2959-95(2009)** Test Method for Ethylene Oxide Content of Polyethoxylated Nonionic Surfactants, **15.04**
*D2960 Withdrawn 2013; Guide for Controlled Laundering Test Using Naturally Soiled Fabrics and Household Appliances*
**D2961-11** Test Method for Single-Stage Total Moisture Less than 15 % in Coal Reduced to 2.36-mm (No. 8 Sieve) Topsize, **05.06**
**D2962-10** Practice for Calculating Volume-Temperature Correction For Coal-Tar Pitches, **05.01**
*D2963 Withdrawn 1997; Test Method for Testing Flow Table Consistency of Clay-Stabilized Asphalt Emulsions*
*D2964 Withdrawn 1979; Specification for Natural Mica Films Used in Fixed Capacitors Based on Visual Quality*
*D2965 Withdrawn 1979; Specification for Mechanical Characteristics of Die Cut Mica Films for Use as Dielectrics in Fixed Mica Capacitors*
*D2966 Withdrawn 1983; Method of Test for Cavitation Erosion-Corrosion Characteristics of Aluminum in Engine Coolants Using Ultrasonic Energy*
**D2967-07(2013)** Test Method for Corner Coverage of Powder Coatings, **06.02**
**D2968-13** Test Method for Med and Kemp Fibers in Wool and Other Animal Fibers by Microprojection, **07.01**
**D2969-04(2014)** Test Methods for Steel Tire Cords, **07.01**
**D2970/D2970M-04(2014)** Test Methods for Testing Tire Cords, Tire Cord Fabrics, and Industrial Yarns Made From Glass Filaments, **07.01**
*D2971 Withdrawn 1978; Methods of Testing for Stitch-Quilted Products*
**D2972-08** Test Methods for Arsenic in Water, **11.01**
**D2973-10$^{\epsilon 1}$** Test Method for Total Nitrogen in Peat Materials, **04.08**
**D2974-13** Test Methods for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils, **04.08**
*D2975 Withdrawn 1984; Method of Test for Sand Content of Peat Materials*
*D2976 Withdrawn 2013; Test Method for pH of Peat Materials*
*D2977 Withdrawn 2012; Test Method for Particle Size Range of Peat Materials for Horticultural Purposes*
**D2978-03(2010)** Test Method for Volume of Processed Peat Materials, **04.08**
**D2979-01(2009)** Test Method for Pressure-Sensitive Tack of Adhesives Using an Inverted Probe Machine, **15.10**
**D2980-04(2010)** Test Method for Volume Mass, Moisture-Holding Capacity, and Porocity of Saturated Peat Materials, **04.08**
**D2981-94(2009)** Test Method for Wear Life of Solid Film Lubricants in Oscillating Motion, **05.01**
**D2982-07(2013)** Test Methods for Detecting Glycol-Base Antifreeze in Used Lubricating Oils, **05.01**
**D2983-09** Test Method for Low-Temperature Viscosity of Lubricants Measured by Brookfield Viscometer, **05.01**
*D2984 Withdrawn 1981; Practice for Validation of Results of Process Vapor Pressure Analyzer; Replaced by D3764*
**D2985/D2985M-92(2011)$^{\epsilon 1}$** Test Method for Color of Asbestos, **04.05**
*D2986 Withdrawn 2004 Practice for Evaluation of Air Assay Media by the Monodisperse DOP (Dioctyl Phthalate) Smoke Test*
**D2987/D2987M-88(2011)$^{\epsilon 1}$** Test Method for Moisture Content of Asbestos Fiber, **04.05**
**D2988-96(2010)** Test Methods for Water-Soluble Halide Ion in Halogenated Organic Solvents and Their Admixtures, **15.05**
**D2989-01(2011)** Test Method for Acidity-Alkalinity of Halogenated Organic Solvents and Their Admixtures, **15.05**
**D2990-09** Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics, **08.01**
*D2991 Withdrawn 1992; Practice for Testing Stress-Relaxation of Plastics*
**D2992-12** Practice for Obtaining Hydrostatic or Pressure Design Basis for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Fittings, **08.03**
*D2993 Withdrawn 2003; Specification for Acrylonitrile-Butadiene Rubberized Tar*
*D2994 Withdrawn 2000; Test Methods for Rubberized Tar*
**D2995-99(2009)** Practice for Estimating Application Rate of Bituminous Distributors, **04.03**
**D2996-01(2007)$^{\epsilon 1}$** Specification for Filament-Wound "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
**D2997-01(2007)$^{\epsilon 1}$** Specification for Centrifugally Cast "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe, **08.03**
*D2998 Withdrawn 2004; Test Method for Polyhydric Alcohols in Alkyd Resins*
*D2999 Withdrawn 1990; Test Method for Monopentaerythritol in Commercial Pentaerythritol; Replaced by D2195*
*D3000 Withdrawn 2003; Specification for Polybutylene (PB) Plastic Pipe (SDR-PR) Based on Outside Diameter*
*D3001 Withdrawn 1985; Method of Test for Absorbed Gamma And Electron Radiation Dose with the Ceric Sulfate Dosimeter*
**D3002-07** Guide for Evaluation of Coatings Applied to Plastics, **06.02**
**D3003-01(2012)** Test Method for Pressure Mottling and Blocking Resistance of Organic Coatings on Metal Substrates, **06.02**
**D3004-08(2013)** Specification for Crosslinked and Thermoplastic Extruded Semi-Conducting, Conductor and Insulation Shielding Materials, **10.02**
**D3005-10** Specification for Low-Temperature Resistant Vinyl Chloride Plastic Pressure-Sensitive Electrical Insulating Tape, **10.02**
**D3006-10** Specification for Polyethylene Plastic Pressure-Sensitive Electrical Insulating Tape, **10.02**
*D3007 Withdrawn 1975; Definition of Terms Relating to Mica, Mica Processing, and Processed Mica Forms; Combined with D 1711*
*D3008 Withdrawn 1997; Test Method for Resin Acids in Rosin by Gas Chromatography*
*D3009 Withdrawn 1999; Test Method for Composition of Turpentine by Gas Chromatography; Replaced by D6387*
*D3010 Withdrawn 1992; Practice for Preparing Compression-Molded Test Sample Plaques of Rigid Poly(Vinyl Chloride) Compounds; Replaced by D4703*
*D3011 Withdrawn 1988; Specification for Reinforced and Filled Polystyrene, Styrene-Acrylonitrile, and ABS for Molding and Extrusion; Replaced by D4203, D4549, D4673*
**D3012-13** Test Method for Thermal-Oxidative Stability of Polypropylene Using a Specimen Rotator Within an Oven, **08.01**
**D3013-13** Specification for Epoxy Molding Compounds, **08.01**
**D3014-11** Test Method for Flame Height, Time of Burning, and Loss of Mass of Rigid Thermoset Cellular Plastics in a Vertical Position, **08.01**
*D3015 Withdrawn 2001; Practice for Microscopical Examination of Pigment Dispersion in Plastic Compounds; Replaced by ISO 13949*
**D3016-97(2010)** Practice for Use of Liquid Exclusion Chromatography Terms and Relationships, **08.01**
*D3017 Withdrawn 2007; Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth); Replaced by D6938*
**D3018/D3018M-11** Specification for Class A Asphalt Shingles Surfaced with Mineral Granules, **04.04**
**D3019-08** Specification for Lap Cement Used with Asphalt Roll Roofing, Non-Fibered, Asbestos-Fibered, and Non-Asbestos-Fibered, **04.04**
*D3020 Withdrawn 1996; Specification for Polyethylene and Ethylene Copolymer Plastic Sheeting for Pond, Canal, and Reservoir Lining*
**D3021-01(2012)** Specification for Phthalocyanine Green Pigments, **06.03**
**D3022-84(2011)** Test Method for Color and Strength of Color Pigments by Use of a Miniature Sandmill, **06.01**
**D3023-98(2011)** Practice for Determination of Resistance of Factory-Applied Coatings on Wood Products to Stains and Reagents, **06.02**
*D3024 Withdrawn 1991; Specification for Protein-Base Adhesives for Structural Laminated Wood Products for Use Under Interior (Dry Use) Exposure Conditions*
**D3025-07(2012)** Practice for Standardizing Cotton Fiber Test Results by Use of Calibration Cotton Standards, **07.01**
*D3026 Withdrawn 2003; Test Method for Sinter Index of Electrical Grade Magnesium Oxide for Use in Sheathed Heating Elements*
*D3027 Withdrawn 1992; Practice for Compression Molding Specimens of Allyl*

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*Molding Compounds; Replaced by D5224*
*D3028 Withdrawn 2000; Test Method for Kinetic Coefficient of Friction of Plastic Solids*
*D3029 Withdrawn 1995; Test Methods for Impact Resistance of Flat, Rigid Plastic Specimens by Means of a Tup (Falling Weight); Replaced by D5420, D5628*
**D3030-11** Test Method for Volatile Matter (Including Water) of Vinyl Chloride Resins, **08.01**
*D3031 Withdrawn 1992; Test Method for Total Sulfur in Natural Gas by Hydrogenation*
**D3032-10** Test Methods for Hookup Wire Insulation, **10.02**
*D3033 Withdrawn 1989; Specification for Type PSP Poly(Vinyl Chloride)(PVC) Sewer Pipe and Fittings*
**D3034-08** Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings, **08.04**
**D3035-12ε1** Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter, **08.04**
*D3036 Withdrawn 1986; Specification for Poly(Vinyl Chloride)(PVC) Plastic Line Couplings*
*D3037 Withdrawn 1999; Test Methods for Carbon Black—Surface Area by Nitrogen Adsorption*
**D3038-93(2010)** Test Method for Drop Shatter Test for Coke, **05.06**
**D3039/D3039M-14** Test Method for Tensile Properties of Polymer Matrix Composite Materials, **15.03**
*D3040 Withdrawn 1988; Practice for Preparing Precision Statements for Standards Related to Rubber and Rubber Testing; Replaced by D4483*
*D3041 Withdrawn 1988; Method of Testing Coated Fabrics--Ozone Cracking in a Chamber; Replaced by D1149*
**D3042-09** Test Method for Insoluble Residue in Carbonate Aggregates, **04.03**
**D3043-00(2011)** Test Methods for Structural Panels in Flexure, **04.10**
**D3044-94(2011)** Test Method for Shear Modulus of Wood-Based Structural Panels, **04.10**
**D3045-92(2010)** Practice for Heat Aging of Plastics Without Load, **08.01**
*D3046 Withdrawn 2001; Specification for Powdered Hand Cleaner (Soap with Borax)*
*D3047 Withdrawn 2000; Specification for Powdered Hand Cleaner (Soap with Vegetable Scrubber)*
**D3048-89(2009)** Test Method of Assay for Alkaline Protease, **15.04**
**D3049-89(2009)** Test Method for Synthetic Anionic Ingredient by Cationic Titration, **15.04**
**D3050-07** Guide for Measuring Soil Removal from Artificially Soiled Fabrics (Not Suitable for Detergent Ranking), **15.04**
*D3051 Withdrawn 1990; Practice for Carbon Black—Stating the Precision of ASTM Test Methods; Replaced by D4483*
**D3052-87(2010)** Practice for Rating Water-Emulsion Floor Polishes, **15.04**
**D3053-13a** Terminology Relating to Carbon Black, **09.01**
*D3054 Withdrawn 2007; Test Method for Purity and Benzene Content of Cyclohexane by Gas Chromatography*
*D3055 Withdrawn 1995; Specification for Cyclohexane 995; Replaced by D5309*
**D3056-05(2010)** Test Method for Gel Time of Solventless Varnishes, **10.02**
*D3057 Withdrawn 2000; Test Method for Moisture in Aerosol Products*
*D3058 Withdrawn 1992; Specification for Simple Can-Puncturing Device for Aerosol Laboratory Use*
*D3059 Withdrawn 1992; Method of Test for Percent Product Retention in Pressurized Food Containers*
**D3060-94(2013)** Test Method for Pressure Drop Rate of Compressed Gas-Propelled Products, **15.10**
**D3061-97(2013)** Guide for Three-Piece Steel and Tinplate Straight-Wall and Necked-In Aerosol Cans, **15.10**
*D3062 Withdrawn 1994; Test Method for Solids Content of Aerosol Coatings*
*D3063 Withdrawn 2000; Test Method for Pressure in Glass Aerosol Bottles*
**D3064-97(2013)** Terminology Relating To Aerosol Products, **15.10**
**D3065-01(2013)** Test Methods for Flammability of Aerosol Products, **15.10**
*D3066 Withdrawn 1997; Practice for Labeling Aerosol Packages*
*D3067 Withdrawn 1997; Practice for Reporting Laboratory Results When Checking Aerosol Containers*
*D3068 Withdrawn 1997; Specification for Safe Fill of Aerosol Containers*
**D3069-94(2013)** Test Method for Delivery Rate of Aerosol Products, **15.10**
**D3070-00(2010)** Test Method of Rapid Pressure Determination of Pressurized Products, **15.10**
*D3071 Withdrawn 2000; Test Method for Drop Testing of Glass Aerosol Bottles*
*D3072 Withdrawn 1992; Test Methods for Volatile Content of Aerosol Products*
*D3073 Withdrawn 1997; Practice for Filling and Inspection of Glass Aerosol Containers*
*D3074 Withdrawn 2000; Test Methods for Pressure in Metal Aerosol Containers*
*D3075 Withdrawn 2001; Test Method for Overrun of Food Aerosol Products*
**D3076-00(2010)** Test Methods for Effective Crimping on Outside Crimped Valves of Aerosol Containers, **15.10**
*D3077 Withdrawn 1997; Practice for Comparison of Spray Patterns of Aerosol Products*
**D3078-02(2013)** Test Method for Determination of Leaks in Flexible Packaging by Bubble Emission, **15.10**
**D3079-94(2009)ε1** Test Method for Water Vapor Transmission of Flexible Heat-Sealed Packages for Dry Products, **15.10**
**D3080/D3080M-11** Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions, **04.08**
*D3081 Withdrawn 1979; Method of Test for Selenium in Water*
**D3082-09** Test Method for Boron in Water, **11.01**
**D3084-05(2012)** Practice for Alpha-Particle Spectrometry of Water, **11.02**
*D3085 Withdrawn 1989; Practice for Measurement of Low-Level Activity in Water*
*D3086 Withdrawn 1996; Test Method for Organochlorine Pesticides in Water*
**D3087-91(2009)** Test Method for Operating Performance of Anion-Exchange Materials for Strong Acid Removal, **11.02**
*D3088 Withdrawn 1981; Method of Test for Effectiveness of Aerosol and Pressurized Space Spray Insecticides Against Flying Insects; Replaced by E653*
**D3089-97(2008)** Practice for Determining the A-D Dimension of Aerosol Valve Dip Tubes, **15.10**
**D3090-72(2008)** Practice for Storage Testing of Aerosol Products, **15.10**
**D3091-72(2008)** Practice for Safe Filling of Low-Pressure Pressurized Products, **15.10**
*D3092 Withdrawn 2002; Test Method for Particle-Size Distribution of Space-Insecticide Aerosol*
*D3093 Withdrawn 1999; Test Method for Pickup Efficiency of Residual Aerosol Insecticides*
**D3094-00(2010)** Test Method for Seepage Rate of Aerosol Products, **15.10**
*D3095 Withdrawn 1981; Method of Test for Effectiveness of Aerosol Insecticides Against Cockroaches; Replaced by E654*
*D3096 Withdrawn 1992; Methods of Test for Liquid Densities of Pressurized Products*
*D3097 Withdrawn 2003; Test Method for Aerosol Products for Delivered Mass*
*D3098 Withdrawn 1990; Test Method for Finish Content of Woven Glass Fabric, Cleaned and After-Finished with Epoxy-Functional Silane Type Finishes for Plastic Finishes*
*D3099 Withdrawn 1982; Method of Test for Pneumatic Ball Impact Resistance of Plastic Film and Sheeting*
*D3100 Withdrawn 1985; Practice for Determination of Alkalinity of Hollow Glass Microspheres*
*D3101 Withdrawn 1985; Practice for Determination of Bulk Density and Packing Factor of Hollow Glass Microspheres*
*D3102 Withdrawn 1985; Practice for Determination of Isostatic Collapse Strength of Hollow Glass Microspheres*
**D3103-07ε1** Test Method for Thermal Insulation Performance of Distribution Packages, **15.10**
**D3104-99(2010)** Test Method for Softening Point of Pitches (Mettler Softening Point Method), **05.01**
**D3105-08** Index of Methods for Testing Elastomeric and Plastomeric Roofing and Waterproofing Materials, **04.04**
**D3106-07(2012)** Test Method for Permanent Deformation of Elastomeric Yarns, **07.01**
**D3107-07(2011)** Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns, **07.01**
**D3108/D3108M-13** Test Method for Coefficient of Friction, Yarn to Solid Material, **07.01**
*D3109 Withdrawn 1982; Specification for Fineness of Mohair and Assignment of Grade; Replaced by D3991*
*D3110 Withdrawn 1997; Specification for Adhesives Used in Laminate Joints for Nonstructural Glued Lumber Products*
**D3111-10** Test Method for Flexibility Determination of Hot-Melt Adhesives by Mandrel Bend Test Method, **15.10**
*D3112 Withdrawn 1990; Test Method for Lead in the Atmosphere by Colorimetric Dithizone Procedure*
*D3113 Withdrawn 2005; Test Methods for Sodium Salts of EDTA in Water*
*D3114 Withdrawn 1986; Method of Test for D-C Electrical Conductivity of Hydrocarbon Fuels; Replaced by D4308*
**D3115-95(2009)** Test Method for Explosive Reactivity of Lubricants with Aerospace Alloys Under High Shear, **05.01**
*D3116 Withdrawn 1994; Test Method for Trace Amounts of Lead in Gasoline*
*D3117 Withdrawn 2010; Test Method for Wax Appearance Point of Distillate Fuels*
*D3118 Not Assigned*
*D3119 Withdrawn 1990; Test Method for Mist Spray Flammability of Hydraulic Fluids*
**D3120-08** Test Method for Trace Quantities of Sulfur in Light Liquid Petroleum Hydrocarbons by Oxidative Microcoulometry, **05.01**
**D3121-06** Test Method for Tack of Pressure-Sensitive Adhesives by Rolling Ball, **15.10**
**D3122-95(2009)** Specification for Solvent Cements for Styrene-Rubber (SR) Plastic Pipe and Fittings, **08.04**
**D3123-09** Test Method for Spiral Flow of Low-Pressure Thermosetting Molding Compounds, **08.01**
**D3124-98(2011)** Test Method for Vinylidene Unsaturation in Polyethylene by Infrared Spectrophotometry, **08.01**
**D3125-06(2012)** Test Method for Monomethyl Ether of Hydroquinone in Colorless Monomeric Acrylate Esters and Acrylic Acid, **06.04**
*D3126 Withdrawn 1987; Specification for n-*Butyl Acetate (98 Percent Grade); Replaced by D4615
*D3127 Withdrawn 1987; Specification for Ethyl Acetate (99 Percent Grade); Replaced by D4614*
**D3128-07(2013)** Specification for 2-Methoxyethanol, **06.04**
*D3129 Withdrawn 1997; Guide for Testing Exterior Latex House Paints; Replaced by D5324*
**D3130-11** Specification for n-Propyl Acetate (96 % Grade), **06.04**
**D3131-07(2013)** Specification for Isopropyl Acetate (99 % Grade), **06.04**
*D3132 Withdrawn 2005; Test Method for Solubility Range of Resins and Polymers*
*D3133 Withdrawn; Test Method for Quantitative Determination of Cellulose*

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**D3134-97(2008)ε1** Practice for Establishing Color and Gloss Tolerances, **06.01**
**D3135-12** Specification for Performance of Bonded, Fused, and Laminated Apparel Fabrics, **07.01**
**D3136-14** Terminology Relating to Care Labeling for Apparel, Textile, Home Furnishing, and Leather Products, **07.01**
**D3137-81(2013)** Test Method for Rubber Property—Hydrolytic Stability, **09.01**
**D3138-04(2011)** Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components, **08.04**
**D3139-98(2011)** Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals, **08.04**
**D3141/D3141M-09** Specification for Asphalt for Undersealing Portland-Cement Concrete Pavements, **04.03**
**D3142/D3142M-11** Test Method for Specific Gravity, API Gravity, or Density of Cutback Asphalts by Hydrometer Method, **04.03**
**D3143/D3143M-13** Test Method for Flash Point of Cutback Asphalt with Tag Open-Cup Apparatus, **04.03**
**D3144-00(2013)ε1** Specification for Crosslinked Poly(Vinylidene Fluoride) Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
**D3145-13** Test Method for Thermal Endurance of Electrical Insulating Varnishes by the Helical Coil Method, **10.02**
*D3146 Withdrawn 1978; Specification for Oxidation-Inhibited Nineral Insulating Oil; Replaced by D3487*
**D3147-06(2013)** Test Method for Testing Stop-Leak Additives for Engine Coolants, **15.05**
*D3148 Withdrawn 2005; Test Method for Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression; Replaced by D7102*
**D3149-06(2013)** Specification for Crosslinked Polyolefin Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
**D3150-11** Specification for Crosslinked and Noncrosslinked Poly(Vinyl Chloride) Heat-Shrinkable Tubing for Electrical Insulation, **10.02**
*D3151 Withdrawn 2007; Test Method for Thermal Failure of Solid Electrical Insulating Materials Under Electric Stress*
*D3152 Withdrawn 2007; Test Method for Capillary-Moisture Relationships for Fine-Textured Soils by Pressure-Membrane Apparatus; Replaced by D6836*
**D3153-87(2008)** Test Method for Recoatability of Water-Emulsion Floor Polishes, **15.04**
**D3154-14** Test Method for Average Velocity in a Duct (Pitot Tube Method), **11.07**
**D3155-11** Test Method for Lime Content of Uncured Soil-Lime Mixtures, **04.08**
**D3156-96(2011)** Practice for Rubber—Chromatographic Analysis of Antidegradants (Antioxidants, Antiozonants and Stabilizers), **09.01**
**D3157-05(2010)ε1** Test Method for Rubber from Natural Sources—Color, **09.01**
*D3158 Withdrawn 1984; Specification for Asphalt Saturated and Coated Organic Felt Used in Roofing*
**D3159-10** Specification for Modified ETFE-Fluoropolymer Molding and Extrusion Materials, **08.01**
**D3160-12** Test Method for Phenol Content of Cumene (Isopropylbenzene) or AMS (α–Methylstyrene), **06.04**
**D3161/D3161M-13** Test Method for Wind-Resistance of Steep Slope Roofing Products (Fan-Induced Method), **04.04**
**D3162-12** Test Method for Carbon Monoxide in the Atmosphere (Continuous Measurement by Nondispersive Infrared Spectrometry), **11.07**
**D3163-01(2014)** Test Method for Determining Strength of Adhesively Bonded Rigid Plastic Lap-Shear Joints in Shear by Tension Loading, **15.06**
**D3164-03(2011)** Test Method for Strength Properties of Adhesively Bonded Plastic Lap-Shear Sandwich Joints in Shear by Tension Loading, **15.06**
*D3164M Withdrawn 2012; Test Method for Strength Properties of Adhesively Bonded Plastic Lap-Shear Sandwich Joints in Shear by Tension Loading*
**D3165-07(2014)** Test Method for Strength Properties of Adhesives in Shear by Tension Loading of Single-Lap-Joint Laminated Assemblies, **15.06**
**D3166-99(2012)** Test Method for Fatigue Properties of Adhesives in Shear by Tension Loading (Metal/Metal), **15.06**
**D3167-10** Test Method for Floating Roller Peel Resistance of Adhesives, **15.06**
**D3168-85(2011)** Practice for Qualitative Identification of Polymers in Emulsion Paints, **06.01**
*D3169 Withdrawn 2007; Specification for Refined Sunflower Oil*
**D3170-12** Test Method for Chipping Resistance of Coatings, **06.02**
**D3171-11** Test Methods for Constituent Content of Composite Materials, **15.03**
**D3172-13** Practice for Proximate Analysis of Coal and Coke, **05.06**
**D3173-11** Test Method for Moisture in the Analysis Sample of Coal and Coke, **05.06**
**D3174-12** Test Method for Ash in the Analysis Sample of Coal and Coke from Coal, **05.06**
**D3175-11** Test Method for Volatile Matter in the Analysis Sample of Coal and Coke, **05.06**
**D3176-09** Practice for Ultimate Analysis of Coal and Coke, **05.06**
*D3177 Withdrawn 2012; Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke*
*D3178 Withdrawn 2007; Test Methods for Carbon and Hydrogen in the Analysis Sample of Coal and Coke; Replaced by D5373*
*D3179 Withdrawn 2008; Test Methods for Nitrogen in the Analysis Sample of Coal and Coke*
**D3180-12** Practice for Calculating Coal and Coke Analyses from As-Determined to Different Bases, **05.06**
**D3181-10** Guide for Conducting Wear Tests on Textiles, **07.01**
**D3182-07(2012)** Practice for Rubber—Materials, Equipment, and Procedures for Mixing Standard Compounds and Preparing Standard Vulcanized Sheets, **09.01**
**D3183-10** Practice for Rubber—Preparation of Pieces for Test Purposes from Products, **09.01**
**D3184-11** Practice for Rubber—Evaluation of NR (Natural Rubber), **09.01**
**D3185-06(2010)** Test Methods for Rubber—Evaluation of SBR (Styrene-Butadiene Rubber) Including Mixtures With Oil, **09.01**
**D3186-07(2011)** Test Methods for Rubber—Evaluation of SBR (Styrene-Butadiene Rubber) Mixed With Carbon Black or Carbon Black and Oil, **09.01**
**D3187-06(2011)** Test Methods for Rubber—Evaluation of NBR (Acrylonitrile-Butadiene Rubber), **09.01**
**D3188-06(2010)** Test Methods for Rubber—Evaluation of IIR (Isobutene-Isoprene Rubber), **09.01**
**D3189-06(2011)** Test Methods for Rubber—Evaluation of Solution BR (Polybutadiene Rubber), **09.01**
**D3190-06(2010)** Test Method for Rubber—Evaluation of Chloroprene Rubber (CR), **09.01**
**D3191-10** Test Methods for Carbon Black in SBR (Styrene-Butadiene Rubber)—Recipe and Evaluation Procedures, **09.01**
**D3192-09** Test Methods for Carbon Black Evaluation in NR (Natural Rubber), **09.01**
**D3193-09** Specification for Ethylbenzene, **06.04**
**D3194-04(2009)** Test Method for Rubber From Natural Sources—Plasticity Retention Index (PRI), **09.01**
**D3195/D3195M-10** Practice for Rotameter Calibration, **11.07**
*D3196 Withdrawn 1985; Method of Test for Rubber Properties in Tension Solid Urethanes; Replaced by D412*
*D3197 Withdrawn 1986; Specification for Insert-Type Polyethylene Fusion Fittings for SDR 11.0 Polyethylene Pipe*
**D3198-97(2007)** Test Method for Application and Removal Torque of Threaded or Lug-Style Closures, **15.10**
*D3199 Withdrawn 2001; Test Method for Water Vapor Transmission Through Screw-Cap Closure Liners*
**D3200-74(2012)** Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles, **04.10**
**D3201/D3201M-13** Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products, **04.10**
*D3202 Withdrawn 2007; Practice for Preparation of Bituminous Mixture Beam Specimens by Means of the California Kneading Compactor*
**D3203/D3203M-11** Test Method for Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures, **04.03**
*D3204 Withdrawn 2004; Specification for Preformed Cellular Plastic Joint Fillers for Relieving Pressure*
*D3205 Withdrawn 2000; Test Method for Viscosity of Asphalt with Cone and Plate Viscometer*
**D3206-08** Test Method for Soil Resistance of Floor Polishes, **15.04**
**D3207-92(2008)** Test Method for Detergent Resistance of Floor Polish Films, **15.04**
*D3208 Withdrawn 2010; Specification for Manifold Papers for Permanent Records*
**D3209-93(2008)** Test Method for Freeze/Thaw Resistance of Polymer Floor Polishes, **15.04**
**D3210-95(2008)** Test Method for Comparing Colors of Films from Water-Emulsion Floor Polishes, **15.04**
*D3211 Withdrawn 1991; Test Method for Relative Density of Black Smoke (Ringelmann Method)*
**D3212-07(2013)** Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals, **08.04**
**D3213-13** Practices for Handling, Storing, and Preparing Soft Intact Marine Soil, **04.08**
*D3214 Withdrawn 2002; Test Methods for Coating Powders and Their Coatings Used for Electrical Insulation*
*D3215 Withdrawn 2003; Test Method for Measurement of the Specific Electrical Impedance of Electrical-Grade Magnesium Oxide for Use in Sheathed-Type Heating Elements*
*D3216 Withdrawn 1985; Method of Test for Grading Cotton Card Webs for Appearance*
**D3217/D3217M-13** Test Methods for Breaking Tenacity of Manufactured Textile Fibers in Loop or Knot Configurations, **07.01**
**D3218-07(2012)** Specification for Polyolefin Monofilaments, **07.01**
*D3219 Withdrawn 1992; Specification for Industrial Filament Yarns, Tire Cords, and Tire Cord Fabrics Made from Man-Made Organic-Base Fibers*
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*D3221 Withdrawn 1989; Specification for Thermoplastic Polyterephthalate Molding and Extrusion Materials; Replaced by D4507*
**D3222-05(2010)** Specification for Unmodified Poly(Vinylidene Fluoride) (PVDF) Molding Extrusion and Coating Materials, **08.02**
**D3223-12** Test Method for Total Mercury in Water, **11.01**
*D3224 Withdrawn 2006; Test Method for Water Solubility of Auxiliary Solvent for Wood Preserving Solutions*
*D3225 Withdrawn 2006; Specification for Low-Boiling Hydrocarbon Solvent for Oil-Borne Preservatives*
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**D3227-13** Test Method for (Thiol Mercaptan) Sulfur in Gasoline, Kerosine, Aviation Turbine, and Distillate Fuels (Potentiometric Method), **05.01**
**D3228-08** Test Method for Total Nitrogen in Lubricating Oils and Fuel Oils by Modified Kjeldahl Method, **05.01**

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*D3229 Withdrawn 1993; Method of Test for Low Levels of Lead in Gasoline by X-ray Spectrometry; Replaced by D5059*
**D3230-13** Test Method for Salts in Crude Oil (Electrometric Method), **05.01**
**D3231-13** Test Method for Phosphorus in Gasoline, **05.01**
*D3232 Withdrawn 1994; Test Method for Measurement of Consistency of Lubricating Greases at High Temperatures*
**D3233-93(2009)ε1** Test Methods for Measurement of Extreme Pressure Properties of Fluid Lubricants (Falex Pin and Vee Block Methods), **05.01**
*D3234 Withdrawn 2004; Test Method for Abrasion Resistance of Petroleum Wax Coatings*
**D3235-06(2011)** Test Method for Solvent Extractables in Petroleum Waxes, **05.01**
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**D3237-12** Test Method for Lead in Gasoline by Atomic Absorption Spectroscopy, **05.01**
**D3238-95(2010)** Test Method for Calculation of Carbon Distribution and Structural Group Analysis of Petroleum Oils by the n-d-M Method, **05.01**
**D3239-91(2011)** Test Method for Aromatic Types Analysis of Gas-Oil Aromatic Fractions by High Ionizing Voltage Mass Spectrometry, **05.01**
**D3240-11** Test Method for Undissolved Water In Aviation Turbine Fuels, **05.01**
**D3241-13** Test Method for Thermal Oxidation Stability of Aviation Turbine Fuels, **05.01**
**D3242-11** Test Method for Acidity in Aviation Turbine Fuel, **05.01**
*D3243 Withdrawn 1983; Method of Test for Flash-Point of Aviation Turbine Fuels by Setaflash Closed Tester; Replaced by D3828*
**D3244-12** Practice for Utilization of Test Data to Determine Conformance with Specifications, **05.01**
*D3245 Withdrawn 2010; Test Method for Pumpability of Industrial Fuel Oils*
**D3246-11** Test Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry, **05.01**
*D3247 Withdrawn 1988; Test Method for Coefficient of Static Friction of Corrugated and Solid Fiberboard (Horizontal Plane Method); Replaced by D4521*0
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**D3249-95(2011)** Practice for General Ambient Air Analyzer Procedures, **11.07**
*D3250 Withdrawn 1991; Test Method for Total Oxygen Demand in Water*
**D3251-04(2013)** Test Method for Thermal Endurance Characteristics of Electrical Insulating Varnishes Applied Over Film-Insulated Magnet Wire, **10.02**
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*D3253 Withdrawn 1991; Specification for Vulcanized Rubber Sheeting for Pond*
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**D3258-04(2010)ε1** Test Method for Porosity of White or Near White Paint Films by Staining, **06.02**
*D3259 Withdrawn 2009; Practice for Infrared Determination of the Temperature of Applied Coatings on Wood Products During the Curing Cycle*
**D3260-01(2011)** Test Method for Acid and Mortar Resistance of Factory-Applied Clear Coatings on Extruded Aluminum Products, **06.02**
**D3261-12** Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing, **08.04**
**D3262-11** Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Sewer Pipe, **08.03**
*D3263 Withdrawn 2008; Test Methods for Corrosivity of Solvent Systems for Removing Water-Formed Deposits*
*D3264 Withdrawn 2003; Specification for Industrial Grade Aniline*
**D3265-13a** Test Method for Carbon Black—Tint Strength, **09.01**
**D3266-91(2011)** Test Method for Automated Separation and Collection of Particulate and Acidic Gaseous Fluoride in the Atmosphere (Double Paper Tape Sampler Method), **11.07**
**D3267-12** Test Method for Separation and Collection of Particulate and Water-Soluble Gaseous Fluorides in the Atmosphere (Filter and Impinger Method), **11.07**
**D3268-91(2011)** Test Method for Separation and Collection of Particulate and Gaseous Fluorides in the Atmosphere (Sodium Bicarbonate-Coated Glass Tube and Particulate Filter Method), **11.07**
*D3269 Withdrawn 2010; Test Methods for Analysis for Fluoride Content of the Atmosphere and Plant Tissues (Manual Procedures)*
**D3270-13** Test Methods for Analysis for Fluoride Content of the Atmosphere and Plant Tissues (Semiautomated Method), **11.07**
**D3271-87(2012)** Practice for Direct Injection of Solvent-Reducible Paints Into a Gas Chromatograph for Solvent Analysis, **06.01**
*D3272 Withdrawn 2008; Practice for Vacuum Distillation of Solvents From Solvent-Reducible Paints For Analysis*
**D3273-12** Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, **06.01**
**D3274-09(2013)** Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Fungal or Algal Growth, or Soil and Dirt Accumulation, **06.01**
**D3275-08(2013)** Classification System for E-CTFE-Fluoroplastic Molding, Extrusion, and Coating Materials, **08.02**
**D3276-07** Guide for Painting Inspectors (Metal Substrates), **06.02**
*D3277 Withdrawn 2010; Test Methods for Moisture Content of Oil-Impregnated Cellulosic Insulation*
**D3278-96(2011)** Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus, **06.01**
**D3279-12** Test Method for n-Heptane Insolubles, **04.03**
**D3280-85(2009)** Test Methods for Analysis of White Zinc Pigments, **06.03**
*D3281 Withdrawn 1995; Test Method for Formability of Attached Organic Coatings with Impact-Wedge Bend Apparatus*
**D3282-09** Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes, **04.08**
**D3283-98(2012)** Specification for Air as an Electrical Insulating Material, **10.03**
**D3284-05(2011)** Practice for Combustible Gases in the Gas Space of Electrical Apparatus Using Portable Meters, **10.03**
*D3285 Withdrawn 2010; Test Method for Water Absorptiveness of Nonbibulous Paper and Paperboard (Cobb Test)*
*D3286 Withdrawn 2000; Test Method for Gross Calorific Value of Coal and Coke by the Isoperibol Bomb Calorimeter; Replaced by D5865*
*D3287 Withdrawn 1991; Specification for Biaxially Oriented Polyethylene (PEO) Plastic Pipe (SDR-PR) Based on Controlled Outside Diameter*
**D3288/D3288M-08** Test Methods for Magnet-Wire Enamels, **10.02**
**D3289-08** Test Method for Density of Semi-Solid and Solid Bituminous Materials (Nickel Crucible Method), **04.03**
*D3290 Withdrawn 2010; Specification for Bond and Ledger Papers for Permanent Records*
**D3291-11** Practice for Compatibility of Plasticizers in Poly(Vinyl Chloride) Plastics Under Compression, **08.02**
*D3292 Withdrawn 1982; Recommended Practice for Powder Flow Measurement of TFE-Fluorocarbon Molding and Extrusion Materials*
*D3293 Withdrawn 1997; Specification for PTFE Resin Molded Sheet; Replaced by D3294*
**D3294-09** Specification for Polytetrafluoroethylene (PTFE) Resin Molded Sheet and Molded Basic Shapes, **08.02**
**D3295-06(2011)** Specification for PTFE Tubing, Miniature Beading and Spiral Cut Tubing, **08.02**
**D3296-14** Specification for FEP-Fluorocarbon Tube, **08.02**
*D3297 Withdrawn 1997; Practice for Molding and Machining Tolerances for PTFE Resin Parts*
*D3298 Withdrawn 1989; Specification for Perforated Styrene-Rubber (SR) Plastic Drain Pipe*
**D3299-10** Specification for Filament-Wound Glass-Fiber-Reinforced Thermoset Resin Corrosion-Resistant Tanks, **08.03**
**D3300-12** Test Method for Dielectric Breakdown Voltage of Insulating Oils of Petroleum Origin Under Impulse Conditions, **10.03**
*D3301 Withdrawn 2010; Specification for File Folders for Storage of Permanent Records*
**D3302/D3302M-12** Test Method for Total Moisture in Coal, **05.06**
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*D3304 Withdrawn 1993; Method for Analysis of Environmental Materials for Polychlorinated Biphenyls*
*D3305 Withdrawn 2014; Practice for Sampling Small Gas Volume in a Transformer*
**D3306-14** Specification for Glycol Base Engine Coolant for Automobile and Light-Duty Service, **15.05**
**D3307-10** Specification for Perfluoroalkoxy (PFA)-Fluorocarbon Resin Molding and Extrusion Materials, **08.02**
**D3308-12** Specification for PTFE Resin Skived Tape, **08.02**
*D3309 Withdrawn 2010; Specification for Polybutylene (PB) Plastic Hot- and Cold-Water Distribution Systems*
**D3310-00(2014)** Test Method for Determining Corrosivity of Adhesive Materials, **15.06**
**D3311-11** Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns, **08.04**
**D3312-04(2013)** Test Method for Percent Reactive Monomer in Solventless Varnishes, **10.02**
**D3313-12** Test Method for Carbon Black—Individual Pellet Hardness, **09.01**
**D3314-02(2012)** Test Method for Rubber—Chemical Analysis for Polystyrene Blocks In SBR (Styrene-Butadiene Rubber) and Styrene-Reinforced Latices, **09.01**
*D3315 Withdrawn 1989; Test Method for Radioactive Zirconium in Water*
**D3316-06(2011)** Test Method for Stability of Perchloroethylene with Copper, **15.05**
*D3317 Withdrawn 1986; Specification for High Modulus, Organic Yarn and Roving*
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**D3319-11** Practice for the Accelerated Polishing of Aggregates Using the British Wheel, **04.03**
*D3320 Withdrawn 2013; Specification for Emulsified Coal-Tar Pitch (Mineral Colloid Type)*
**D3321-13** Test Method for Use of the Refractometer for Field Test Determination of the Freezing Point of Aqueous Engine Coolants, **15.05**
**D3322-82(2011)** Practice for Testing Primers and Primer Surfacers Over Preformed Metal, **06.02**
*D3323 Withdrawn 1993; Guide for Testing Interior Solvent-Thinned Flat Wall Paints; Replaced by D5146*

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*D3324 Withdrawn 2003; Practice for Carbon Black—Improving Test Reproducibility Using ASTM Standard Reference Blacks; Replaced by D4821*
**D3325-90(2013)** Practice for Preservation of Waterborne Oil Samples, **11.02**
**D3326-07(2011)** Practice for Preparation of Samples for Identification of Waterborne Oils, **11.02**
*D3327 Withdrawn 1994;Test Methods for Analysis of Selected Elements in Waterborne Oils*
**D3328-06(2013)** Test Methods for Comparison of Waterborne Petroleum Oils by Gas Chromatography, **11.02**
**D3329-03(2009)** Test Method for Purity of Methyl Isobutyl Ketone by Gas Chromatography, **06.04**
**D3330/D3330M-04(2010)** Test Method for Peel Adhesion of Pressure-Sensitive Tape, **15.10**
*D3331 Withdrawn 1985; Method of Test for Assessment of Mechanical-Shock Fragility Using Package Cushioning Materials*
**D3332-99(2010)** Test Methods for Mechanical-Shock Fragility of Products, Using Shock Machines, **15.10**
**D3333-07(2012)** Practice for Sampling Manufactured Staple Fibers, Sliver, or Tow for Testing, **07.01**
*D3334 Withdrawn 1990; Method of Testing Fabrics Woven From Polyolefin Monofilaments*
**D3335-85a(2009)** Test Method for Low Concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy, **06.01**
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*D3337 Withdrawn 2009; Test Method for Determining Life and Torque of Lubricating Greases in Small Ball Bearings*
**D3338/D3338M-09** Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, **05.01**
**D3339-12** Test Method for Acid Number of Petroleum Products by Semi-Micro Color Indicator Titration, **05.01**
*D3340 Withdrawn 2013; Test Method for Lithium and Sodium in Lubricating Greases by Flame Photometer*
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**D3343-05(2010)** Test Method for Estimation of Hydrogen Content of Aviation Fuels, **05.01**
**D3344-90(2010)** Test Method for Total Wax Content of Corrugated Paperboard, **05.01**
**D3345-08** Test Method for Laboratory Evaluation of Wood and Other Cellulosic Materials for Resistance to Termites, **04.10**
**D3346-12** Test Methods for Rubber Property—Processability of Emulsion SBR (Styrene-Butadiene Rubber) With the Mooney Viscometer (Delta Mooney), **09.01**
*D3347 Withdrawn 2003; Test Method for Flow Rate and Tap Density of Electrical Grade Magnesium Oxide For Use in Sheathed Heating Elements*
**D3348-12** Test Method for Rapid Field Test for Trace Lead in Unleaded Gasoline (Colorimetric Method), **05.01**
**D3349-12** Test Method for Absorption Coefficient of Ethylene Polymer Material Pigmented with Carbon Black, **10.02**
**D3350-12ε1** Specification for Polyethylene Plastics Pipe and Fittings Materials, **08.02**
*D3351 Withdrawn 2000; Test Method for Gel Count of Plastic Film*
**D3352-08a** Test Method for Strontium Ion in Brackish Water, Seawater, and Brines, **11.02**
**D3353-10** Test Methods for Fibrous-Insulated Magnet Wire, **10.02**
**D3354-11** Test Method for Blocking Load of Plastic Film by the Parallel Plate Method, **08.02**
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*D3356 Withdrawn 1992; Specification for Fittings for Bituminized Fiber Drain and Sewer Pipe*
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*D3358 Withdrawn 1994; Guide for Testing Water-Borne Floor Paints; Replaced by D5324*
**D3359-09ε2** Test Methods for Measuring Adhesion by Tape Test, **06.01**
*D3360 Withdrawn 2003; Test Method for Particle Size Distribution by Hydrometer of the Common White Extender Pigments*
**D3361/D3361M-13** Practice for Unfiltered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings, **06.01**
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**D3363-05(2011)ε2** Test Method for Film Hardness by Pencil Test, **06.01**
**D3364-99(2011)** Test Method for Flow Rates for Poly(Vinyl Chloride) with Molecular Structural Implications, **08.02**
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*D3378 Withdrawn 1985; Specification for Asphalt-Saturated and Coated Asbestos Felt Base Sheet Used in Roofing*
**D3380-10** Test Method for Relative Permittivity (Dielectric Constant) and Dissipation Factor of Polymer-Based Microwave Circuit Substrates, **10.02**
**D3381/D3381M-13** Specification for Viscosity-Graded Asphalt Cement for Use in Pavement Construction, **04.03**
**D3382-13** Test Methods for Measurement of Energy and Integrated Charge Transfer Due to Partial Discharges (Corona) Using Bridge Techniques, **10.02**
*D3383 Withdrawn 1993; Guide for Testing Solvent-Thinned Floor Paints; Replaced by D5146*
*D3384 Withdrawn 1977; Method of Test for Powder Resistance of Floor Polish Films; Replaced by D2048*
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*D3386 Withdrawn 2005; Test Method for Coefficient of Linear Thermal Expansion of Electrical Insulating Materials; Replaced by E381*
**D3387-11** Test Method for Compaction and Shear Properties of Bituminous Mixtures by Means of the U.S. Corps of Engineers Gyratory Testing Machine (GTM), **04.03**
*D3388 Withdrawn 1984; Method of Testing Coated Fabrics—Stiffening at Low Temperatures (Torsional Wire Apparatus); Combined with D 1053*
**D3389-10** Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader), **09.02**
*D3390 Withdrawn 1986; Specification for Rubber Semiconducting Tape*
*D3391 Withdrawn 1986; Specification for High Voltage Rubber Insulating Tape*
*D3392 Withdrawn 1984; Recommended Practice for Carbon Black Extractables—Light-Absorption Characteristics*
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**D3394-94(2009)** Test Methods for Sampling and Testing Electrical Insulating Board, **10.02**
*D3395 Withdrawn 2008; Test Methods for Rubber Deterioration—Dynamic Ozone Cracking in a Chamber; Replaced by D1149*
*D3396 Withdrawn 1990; Recommended Practice for Carbon Black—Measuring the Precision of ASTM Test Methods; Replaced by D4483*
*D3397 Withdrawn 1989; Method for Triaxial Classification of Base Materials*
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**D3403-07(2011)** Test Methods for Rubber—Evaluation of IR (Isoprene Rubber), **09.01**
**D3404-91(2013)** Guide for Measuring Matric Potential in Vadose Zone Using Tensiometers, **04.08**
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*D3406 Withdrawn 2012; Specification for Joint Sealant, Hot-Applied, Elastomeric-Type, for Portland Cement Concrete Pavements*
*D3408 Withdrawn 1988; Methods of Testing Joint Sealants, Hot-Poured, Elastomeric-Type, for Portland Cement Concrete Pavements; Replaced by D3583*
**D3409-93(2008)** Test Method for Adhesion of Asphalt-Roof Cement to Damp, Wet, or Underwater Surfaces, **04.04**
**D3410/D3410M-03(2008)** Test Method for Compressive Properties of Polymer Matrix Composite Materials with Unsupported Gage Section by Shear Loading, **15.03**
*D3411 Withdrawn 1982; Method of Test for Flammability of Textile Materials*
**D3412/D3412M-13** Test Method for Coefficient of Friction, Yarn to Yarn, **07.01**
*D3413 Withdrawn 1991; Test Method for Lead (Inorganic) in Workplace Atmospheres by Atomic Absorption Spectrometry*
**D3414-98(2011)ε1** Test Method for Comparison of Waterborne Petroleum Oils by Infrared Spectroscopy, **11.02**
**D3415-98(2011)** Practice for Identification of Waterborne Oils, **11.02**
*D3416 Withdrawn 1993; Test Method for Total Hydrocarbons, Methane, and Carbon Monoxide (Gas Chromatographic Method)*
*D3417 Withdrawn 2004; Test Method for Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry (DSC); Replaced by D3418*
**D3418-12ε1** Test Method for Transition Temperatures and Enthalpies of Fusion and Crystallization of Polymers by Differential Scanning Calorimetry, **08.02**
**D3419-12** Practice for In-Line Screw-Injection Molding Test Specimens From Thermosetting Compounds, **08.02**
**D3420-08a** Test Method for Pendulum Impact Resistance of Plastic Film, **08.02**
*D3421 Withdrawn 1987; Recommended Practice for Extraction and*

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*Determination of Plasticizer Mixtures from Vinyl Chloride Plastics*
*D3422 Withdrawn 1985; Method of Test for Toluene Diisocyanate Concentrations in Workplace Atmospheres*
**D3423/D3423M-84(2011)$^{\epsilon 1}$** Practice for Application of Emulsified Coal-Tar Pitch (Mineral Colloid Type), **04.04**
**D3424-11** Practice for Evaluating the Relative Lightfastness and Weatherability of Printed Matter, **06.02**
*D3425 Withdrawn 1993; Guide for Testing Solvent-Based Interior Semigloss Wall and Trim Enamels; Replaced by D5146*
**D3426-97(2012)** Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials Using Impulse Waves, **10.02**
**D3427-12** Test Method for Air Release Properties of Petroleum Oils, **05.01**
*D3428 Withdrawn 1990; Test Method for Torque Stability Wear and Brine Sensitivity Evaluation of Ball Joint Greases*
**D3429-93(2012)** Test Method for Solubility of Fixed Gases in Low-Boiling Liquids, **05.01**
**D3430-95(2008)** Test Method for Clarity and Yellowness of Liquid Water-Based Clear Floor Polishes, **15.04**
*D3431 Withdrawn 1993; Test Method for Trace Nitrogen in Liquid Petroleum Hydrocarbons (Microcoulometric Method)*
*D3432 Withdrawn 2004; Test Method for Unreacted Toluene Diisocyanates in Urethane Prepolymers and Coating Solutions by Gas Chromatography*
**D3433-99(2012)** Test Method for Fracture Strength in Cleavage of Adhesives in Bonded Metal Joints, **15.06**
**D3434-00(2013)** Test Method for Multiple-Cycle Accelerated Aging Test (Automatic Boil Test) for Exterior Wet Use Wood Adhesives, **15.06**
*D3435 Withdrawn 1989; Specification for Plastic Containers (Jerry Cans) for Petroleum Products*
*D3436 Withdrawn 2005; Practice for Sampling and Handling Aniline*
**D3437-11** Practice for Sampling and Handling Liquid Cyclic Products, **06.04**
**D3438-10** Practice for Sampling and Handling Naphthalene, Maleic Anhydride, and Phthalic Anhydride, **06.04**
*D3439 Withdrawn 1995; Test Methods for Assay of Alkaline Cresylate Solutions from Petroleum Sources*
**D3440-13** Guide for Preparing Specifications for Water-Emulsion Floor Polishes, **15.04**
*D3441 Withdrawn 2014; Test Method for Mechanical Cone Penetration Tests of Soil*
*D3442 Withdrawn 2000; Test Method for Gaseous Tritium Content of the Atmosphere*
**D3443-00(2010)$^{\epsilon 1}$** Test Method for Chloride in Trichlorotrifluoroethane, **15.05**
**D3444-00(2010)$^{\epsilon 1}$** Test Method for Total Acid Number of Trichlorotrifluoroethane, **15.05**
*D3445 Withdrawn 1991; Test Method for Nonvolatile Matter in Trichlorotrifluoroethane; Replaced by D2109*
*D3446 Withdrawn 1993; Test Method for Water Content of Trichlorotrifluoroethane with Karl Fischer Reagent*
*D3447 Withdrawn 2004; Test Method for Purity of Halogenated Organic Solvents; Replaced by D6806*
**D3448-10** Test Method for Specific Aqueous Conductance of Trichlorotrifluoroethane, **15.05**
*D3449 Withdrawn 1990; Test Method for Sulfur Dioxide in Workplace Atmospheres (Barium Perchlorate Method)*
**D3450-00(2010)$^{\epsilon 1}$** Test Method for Washability Properties of Interior Architectural Coatings, **06.02**
**D3451-06(2012)** Guide for Testing Coating Powders and Powder Coatings, **06.02**
**D3452-06(2012)** Practice for Rubber—Identification by Pyrolysis-Gas Chromatography, **09.01**
**D3453-12** Specification for Flexible Cellular Materials—Urethane for Furniture and Automotive Cushioning, Bedding, and Similar Applications, **08.02**
**D3454-11** Test Method for Radium-226 in Water, **11.02**
**D3455-11** Test Methods for Compatibility of Construction Material with Electrical Insulating Oil of Petroleum Origin, **10.03**
**D3456-86(2012)** Practice for Determining by Exterior Exposure Tests the Susceptibility of Paint Films to Microbiological Attack, **06.01**
*D3457 Withdrawn2000; Test Method for Preparation of Methyl Esters from Fatty Acids for Determination of Fatty Acid Composition by Gas-Liquid Chromatography*
*D3458 Withdrawn 2010; Specification for Copies from Office Copying Machines for Permanent Records*
*D3459 Withdrawn 2007; Test Method for Humid-Dry Cycling for Coatings on Wood and Wood Products*
**D3460-07** Specification for White Watermarked and Unwatermarked Bond, Reprographic, and Laser Printer Cut-Sized Office Papers, **15.09**
**D3461-97(2012)** Test Method for Softening Point of Asphalt and Pitch (Mettler Cup-and-Ball Method), **05.01**
**D3462/D3462M-10a** Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules, **04.04**
*D3463 Withdrawn 1993; Practice for Compression Molding of Specimens of Rigid Acrylonitrile-Butadiene-Styrene (ABS) plastics; Replaced by D4703*
**D3464-96(2014)** Test Method for Average Velocity in a Duct Using a Thermal Anemometer, **11.07**
**D3465-14** Test Method for Purity of Monomeric Plasticizers by Gas Chromatography, **08.02**
**D3466-06(2011)** Test Method for Ignition Temperature of Granular Activated Carbon, **15.01**
**D3467-04(2009)** Test Method for Carbon Tetrachloride Activity of Activated Carbon, **15.01**
**D3468/D3468M-99(2013)$^{\epsilon 1}$** Specification for Liquid-Applied Neoprene and Chlorosulfonated Polyethylene Used in Roofing and Waterproofing, **04.04**
**D3469-97(2007)** Test Methods for Measurement of Vertical Downward Forces to Disengage Type IIA Lug-Style Child-Resistant Closures, **15.10**
**D3470-97(2007)** Test Method for Measurement of Removal Lug Strippage of Type IIA Child-Resistant Closures, **15.10**
*D3471 Withdrawn 1994; Test Method for Top-Load-to-Engage Removal Lugs on Type IA Child-Resistant Closures*
**D3472-97(2007)** Test Method for Reverse-Ratchet Torque of Type IA Child-Resistant Closures, **15.10**
*D3473 Withdrawn 2001; Test Methods for Lifting Force Required to Remove Certain Child-Resistant Snap Caps*
**D3474-90(2012)** Practice for Calibration and Use of Torque Meters Used in Packaging Applications, **15.10**
**D3475-13** Classification of Child-Resistant Packages, **15.10**
*D3476 Withdrawn 1991; Test Method for bis* (Chloromethyl) Ether (*bis* CME) in Workplace Atmospheres (Gas Chromatography–Mass Spectrometry)
*D3477 Withdrawn 2005; Performance Specification for Men's and Boys' Woven Dress Shirt Fabrics; Replaced by D7020*
*D3478 Withdrawn 1992; Test Method for Chlorinated Phenoxy Acid Herbicides in Water; Replaced by D5317*
**D3479/D3479M-12** Test Method for Tension-Tension Fatigue of Polymer Matrix Composite Materials, **15.03**
*D3480 Withdrawn 1999; Test Methods for Downward Force Required to Open or Activate Child-Resistant Snap-Engagement Packages*
**D3481-06(2011)** Test Method for Manual Shelling Two-Piece Child-Resistant Closures That Are Activated by Two Simultaneous Dissimilar Motions, **15.10**
**D3482-07a(2014)** Practice for Determining Electrolytic Corrosion of Copper by Adhesives, **15.06**
**D3483-14** Test Methods for Accumulated Deposition in a Steam Generator Tube, **11.02**
**D3484-06(2010)** Test Methods for Rubber—Evaluation of Oil-Extended Solution BR (Polybutadiene Rubber), **09.01**
*D3485 Specification for Withdrawn 2011; Smooth-Wall Coilable Polyethylene (PE) Conduit (Duct) for Preassembled Wire and Cable*
*D3486 Withdrawn 1995; Practice for Installation of Vulcanizable Rubber Tank Linings and Pipe Linings*
**D3487-09** Specification for Mineral Insulating Oil Used in Electrical Apparatus, **10.03**
*D3488 Withdrawn 1983; Recommended Practice for Rubber—Measuring the Precision of ASTM Test Methods*
**D3489-11** Test Methods for Microcellular Urethane Materials, **08.02**
*D3490 Withdrawn 1997; Specification for Flexible Cellular Materials—Bonded Urethane Foam*
*D3491 Withdrawn 1997; Test Methods for Vulcanizable Rubber Tank and Pipe Lining*
**D3492-08** Specification for Rubber Contraceptives (Male Condoms), **09.02**
**D3493-13** Test Method for Carbon Black—Oil Absorption Number of Compressed Sample (COAN), **09.01**
*D3494 Withdrawn 2000; Specification for Water-Emulsion Floor Polish Remover*
**D3495-10** Test Method for Hexane Extraction of Leather, **15.04**
*D3496 Withdrawn 2010; Practice for Preparation of Bituminous Mixture Specimens for Dynamic Modulus Testing*
*D3497 Withdrawn 2009; Test Method for Dynamic Modulus of Asphalt Mixtures*
**D3498-03(2011)** Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems, **15.06**
**D3499-11** Test Method for Toughness of Wood-Based Structural Panels, **04.10**
**D3500-90(2009)** Test Methods for Structural Panels in Tension, **04.10**
**D3501-05a(2011)** Test Methods for Wood-Based Structural Panels in Compression, **04.10**
*D3502 Withdrawn 1984; Test Method for Moisture Absorption of Compressed Wood Products*
*D3503 Withdrawn 1984; Test Method for Swelling and Recovery of Compressed Wood Products Due to Moisture Absorption*
*D3504 Withdrawn 2012; Specification for Maleic Anhydride*
**D3505-12$^{\epsilon 1}$** Test Method for Density or Relative Density of Pure Liquid Chemicals, **06.04**
*D3506 Withdrawn 1993; Specification for Inhibited Grade Methylene Chloride for Preparing Pentachlorophenol Solutions*
*D3507 Withdrawn 2008; Test Methods for Penetration of Preservatives in Wood and for Differentiating Between Heartwood and Sapwood*
*D3508 Withdrawn 1995; Method for Evaluating Water Testing Membrane Filters for Fecal Coliform Recovery*
*D3509 Withdrawn 1987; Test Method for Electrostatic Field Strength Due to Surface Charges; Replaced by D4470*
*D3510 Withdrawn 1987; Test Method for Swelling and Recovery of Compressed Wood Products Due to Moisture Absorption*
**D3511/D3511M-13** Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Brush Pilling Tester, **07.01**
**D3512/D3512M-10(2014)** Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester, **07.01**
**D3513-02(2012)** Test Method for Overlength Fiber Content of Manufactured Staple Fiber, **07.01**
**D3514/D3514M-10(2014)** Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Elastomeric Pad, **07.01**

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*D3515 Withdrawn 2009; Specification for Hot-Mixed, Hot-Laid Bituminous Paving Mixtures*
**D3516-89(2011)** Test Methods for Ashing Cellulose, **06.03**
**D3517-14** Specification for "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pressure Pipe, **08.03**
**D3518/D3518M-13** Test Method for In-Plane Shear Response of Polymer Matrix Composite Materials by Tensile Test of a ±45° Laminate, **15.03**
*D3519 Withdrawn 2013; Test Method for Foam in Aqueous Media (Blender Test)*
*D3520 Withdrawn 2008; Test Method for Quenching Time of Heat-Treating Fluids (Magnetic Quenchometer Method)*
**D3521-86(2012)** Test Method for Surface Wax Coating On Corrugated Board, **05.01**
*D3522 Withdrawn 2012; Test Method for Applied Coating Wax and Impregnating (Saturating) Wax in Corrugated Board Facing*
**D3523-92(2012)** Test Method for Spontaneous Heating Values of Liquids and Solids (Differential Mackey Test), **05.01**
*D3524 Withdrawn 2013; Test Method for Diesel Fuel Diluent in Used Diesel Engine Oils by Gas Chromatography*
**D3525-04(2010)** Test Method for Gasoline Diluent in Used Gasoline Engine Oils by Gas Chromatography, **05.01**
*D3526 Not Assigned*
**D3527-11** Test Method for Life Performance of Automotive Wheel Bearing Grease, **05.01**
**D3528-96(2008)** Test Method for Strength Properties of Double Lap Shear Adhesive Joints by Tension Loading, **15.06**
**D3529M-10** Test Methods for Constituent Content of Composite Prepreg, **15.03**
**D3530-97(2008)ε2** Test Method for Volatiles Content of Composite Material Prepreg, **15.03**
**D3531/D3531M-11** Test Method for Resin Flow of Carbon Fiber-Epoxy Prepreg, **15.03**
**D3532/D3532M-12** Test Method for Gel Time of Carbon Fiber-Epoxy Prepreg, **15.03**
*D3533 Withdrawn 2006; Test Method for Rubber—Nitrogen Content*
*D3534 Withdrawn 2003; Test Method for Polychlorinated Biphenyls (PCBs) in Water*
**D3535-07a(2013)** Test Method for Resistance to Creep Under Static Loading for Structural Wood Laminating Adhesives Used Under Exterior Exposure Conditions, **15.06**
*D3536 Withdrawn 1996; Test Method for Molecular Weight Averages and Molecular Weight Distribution of Polystyrene by Liquid Exclusion Chromatography (Gel Permeation Chromatography—GPC); Replaced by D5296*
*D3537 Withdrawn 1985; Test Method for Tensile Adhesion of Spray-Applied Rigid Urethane Foam in the Field*
*D3538 Withdrawn 1981; Recommended Practices for Sampling and Handling Cresylic Acid; Replaced by D3852*
**D3539-11** Test Methods for Evaporation Rates of Volatile Liquids by Shell Thin-Film Evaporometer, **06.01**
**D3540-12** Specification for Primary Amyl Acetate, Synthetic (98 % Grade), **06.04**
*D3541 Specification for Withdrawn 2011; Specification for 2-Ethylhexyl Acrylate*
**D3542-08(2013)** Specification for Preformed Polychloroprene Elastomeric Joint Seals for Bridges, **04.03**
**D3543-93(2008)** Test Method for Metal Glide Adhesion, **15.04**
*D3544 Withdrawn 2003; Guide for Reporting Test Methods and Results on High Modulus Fibers*
**D3545-06(2012)** Test Method for Alcohol Content and Purity of Acetate Esters by Gas Chromatography, **06.04**
**D3546-05(2011)** Test Method for Formic Acid in Glacial Acetic Acid, **06.04**
*D3547 Withdrawn 2011; Specification for n-Butyl Acrylate*
**D3548-09** Specification for Ethyl Acrylate, **06.04**
**D3549/D3549M-11** Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens, **04.03**
**D3550-01(2007)** Practice for Thick Wall, Ring-Lined, Split Barrel, Drive Sampling of Soils, **04.08**
**D3551-08** Practice for Laboratory Preparation of Soil-Lime Mixtures Using Mechanical Mixer, **04.08**
**D3552-12** Test Method for Tensile Properties of Fiber Reinforced Metal Matrix Composites, **15.03**
*D3553 Withdrawn 2000; Test Method for Fiber Content by Digestion of Reinforced Metal Matrix Composites*
**D3554-07(2013)** Specification for Track-Resistant Black Thermoplastic High-Density Polyethylene Insulation for Wire and Cable, 75 °C Operation, **10.02**
**D3555-07(2013)** Specification for Track-Resistant Black Crosslinked Polyethylene Insulation for Wire and Cable, 90 °C Operation, **10.02**
**D3556-85(2009)** Test Method for Deposition on Glassware During Mechanical Dishwashing, **15.04**
**D3557-12** Test Methods for Cadmium in Water, **11.01**
**D3558-08** Test Methods for Cobalt in Water, **11.01**
**D3559-08** Test Methods for Lead in Water, **11.01**
*D3560 Withdrawn 1991; Test Method for Oxygen Demand in Water by Combustion-Infrared Analysis*
**D3561-11** Test Method for Lithium, Potassium, and Sodium Ions in Brackish Water, Seawater, and Brines by Atomic Absorption Spectrophotometry, **11.02**
**D3562-14** Performance Specification for Woven Drycleanable Coat Fabrics, **07.01**
*D3563 Withdrawn 1986; Test Method for Concentration and Particle Size Distribution of Particulate Collected in the Alundum Thimble Using a Liquid Media Electronic Counter*
**D3564-95(2008)** Practice for Application of Floor Polishes to Maintain Vinyl Composition Tile or Flooring, **15.04**
*D3565 Withdrawn 2007; Test Method for Tableware Pattern Removal by Mechanical Dishwasher Detergents*
**D3566-03(2009)** Practice for Rubber—Determination of Bromine in the Presence of Chlorine by Oxygen Combustion, **09.01**
**D3567-97(2011)** Practice for Determining Dimensions of "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe and Fittings, **08.03**
**D3568-03(2013)** Test Methods for Rubber—Evaluation of EPDM (Ethylene Propylene Diene Terpolymers) Including Mixtures With Oil, **09.01**
*D3569 Withdrawn 2006; Specification for Joint Sealant, Hot-Applied, Elastomeric, Jet-Fuel-Resistant-Type for Portland Cement Concrete Pavements; Replaced by D7116*
*D3570 Withdrawn 1986; Test Method for Viscosity of Bituminous Materials With a Sliding Plate Microviscometer*
*D3571 Withdrawn 2000; Consumer Product Specification for Household Laundry and Dishwasher Water Inlet Hose*
*D3572 Withdrawn 1997; Consumer Product Specification for Household Laundry and Dishwasher Drain Hose*
*D3573 Withdrawn 1997; Consumer Product Specification for Sink Spray Hose*
**D3574-11** Test Methods for Flexible Cellular Materials—Slab, Bonded, and Molded Urethane Foams, **08.02**
**D3575-14** Test Methods for Flexible Cellular Materials Made From Olefin Polymers, **08.02**
**D3576-04(2010)** Test Method for Cell Size of Rigid Cellular Plastics, **08.02**
**D3577-09ε1** Specification for Rubber Surgical Gloves, **09.02**
**D3578-05(2010)** Specification for Rubber Examination Gloves, **09.02**
**D3579-77(2010)** Specification for Rubber Surgical Drainage Tubes, Penrose-Type, **09.02**
**D3580-95(2010)** Test Methods for Vibration (Vertical Linear Motion) Test of Products, **15.10**
*D3581 Withdrawn 2006; Specification for Joint Sealant, Hot-Applied, Jet-Fuel-Resistant Type, for Portland Cement Concrete and Tar-Concrete Pavements; Replaced by D7116*
*D3582 Withdrawn 1996; Test Methods for Joint Sealant, Hot-Poured, Jet-Fuel-Resistant Type, for Portland Cement Concrete and Tar-Concrete Pavements; Replaced by D5329*
*D3583 Withdrawn 1995; Methods of Testing Joint Sealant, Hot-Applied, Elastomeric-Type, for Portland Cement Concrete Pavements, or Joint Sealant, Hot-Applied, Elastomeric, Jet-Fuel-Resistant-Type, for Portland Cement Concrete Pavements; Replaced by D3569, D5329*
*D3584 Withdrawn 1996; Practice for Indexing Papers and Reports on Soil and Rock for Engineering Purposes*
**D3585-08(2013)** Specification for ASTM Reference Fluid for Coolant Tests, **15.05**
*D3586 Withdrawn 1991; Test Method for Chromium in Workplace Atmospheres (Colorimetric Method)*
*D3587 Withdrawn 1981; Test Method for Tin (Inorganic) in Workplace Atmospheres (Colorimetric Method)*
**D3588-98(2011)** Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels, **05.06**
*D3589 Withdrawn 1991; Test Method for Total Nitrogen in Water by Microcoulometry*
**D3590-11** Test Methods for Total Kjeldahl Nitrogen in Water, **11.02**
**D3591-97(2011)** Test Method for Determining Logarithmic Viscosity Number of Poly(Vinyl Chloride) (PVC) in Formulated Compounds, **08.02**
*D3592 Withdrawn 1989; Recommended Practice for Determining Molecular Weight by Vapor Pressure Osmometry*
*D3593 Withdrawn 1993; Test Method for Molecular Weight Averages/ Distribution of Certain Polymers by Liquid Size-Exclusion Chromatography (Gel Permeation Chromatography GPC) Using Universal Calibration; Replaced by D5296*
**D3594-93(2013)** Test Method for Copolymerized Ethyl Acrylate In Ethylene-Ethyl Acrylate Copolymers, **08.02**
**D3595-14** Specification for Polychlorotrifluoroethylene (PCTFE) Extruded Plastic Sheet and Film, **08.02**
**D3596-13** Practice for Determination of Gels (Fisheyes) In General-Purpose Poly(Vinyl Chloride) (PVC) Resins, **08.02**
**D3597-02(2013)** Performance Specification for Woven Upholstery Fabrics—Plain, Tufted, or Flocked, **07.01**
**D3598-89(2009)** Test Method for Citrate in Synthetic Detergents, **15.04**
*D3599 Withdrawn 1989; Test Method for Feltability of Wool*
*D3600 Withdrawn 1989; Performance Specification for Men's and Boy's Woven Rainwear and All-Purpose, Water-Repellent Coat Fabrics; Replaced by D3779*
*D3601 Withdrawn 2013; Test Method for Foam In Aqueous Media (Bottle Test)*
*D3602 Withdrawn 1994; Test Method for Water Separation Characteristics of Aviation Turbine Fuels; Replaced by D3948*
**D3603-07** Test Method for Rust-Preventing Characteristics of Steam Turbine Oil in the Presence of Water (Horizontal Disk Method), **05.01**
*D3604 Withdrawn 1989; Test Method for Volume Change of Elastomeric Materials in Hydraulic Fluids Under Static Conditions*
**D3605-00(2011)** Test Method for Trace Metals in Gas Turbine Fuels by Atomic Absorption and Flame Emission Spectroscopy, **05.01**
**D3606-10** Test Method for Determination of Benzene and Toluene in Finished

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**D3607-08(2012)** Test Method for Removing Volatile Contaminants from Used Engine Oils by Stripping, **05.01**
**D3608-95(2011)** Test Method for Nitrogen Oxides (Combined) Content in the Atmosphere by the Griess-Saltzman Reaction, **11.07**
**D3609-00(2010)** Practice for Calibration Techniques Using Permeation Tubes, **11.07**
**D3610-00(2010)** Test Method for Total Cobalt in Alumina-Base Cobalt-Molybdenum Catalyst by Potentiometric Titration Method, **05.05**
**D3611-06(2011)** Practice for Accelerated Aging of Pressure-Sensitive Tapes, **15.10**
**D3612-02(2009)** Test Method for Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography, **10.03**
*D3613 Withdrawn 2007; Practice for Sampling Insulating Liquids for Gas Analysis and Determination of Water Content*
**D3614-07(2013)** Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions, **11.07**
*D3615 Withdrawn 1993; Test Method for Chemical Resistance of Thermoset Molding Compounds Used in the Manufacture of Molded Fittings*
**D3616-95(2009)** Test Method for Rubber—Determination of Gel, Swelling Index, and Dilute Solution Viscosity, **09.01**
**D3617-07** Practice for Sampling and Analysis of Built-Up Roof Systems During Application, **04.04**
**D3618-05(2010)** Test Method for Detection of Lead in Paint and Dried Paint Films, **06.01**
*D3619 Withdrawn 2004; Specification for Aluminum Silicate Pigments (Anhydrous)*
**D3620-04(2009)** Specification for Glacial Acetic Acid, **06.04**
*D3621 Withdrawn 1988; Practice for the Determination of Water in Acetate Esters; Replaced by D1364*
**D3622-11** Specification for 1-Propanol (n-Propyl Alcohol), **06.04**
**D3623-78a(2012)** Test Method for Testing Antifouling Panels in Shallow Submergence, **06.02**
**D3624-85a(2010)** Test Method for Low Concentrations of Mercury in Paint by Atomic Absorption Spectroscopy, **06.01**
**D3625/D3625M-12** Practice for Effect of Water on Bituminous-Coated Aggregate Using Boiling Water, **04.03**
*D3626 Withdrawn 1996; Test Method for Tar Acid Composition by Gas Liquid Chromatography; Replaced by D5310*
*D3627 Withdrawn 2005; Test Method for Color of Cresylic Acids ("C" Series Standards)*
**D3628-08** Practice for Selection and Use of Emulsified Asphalts, **04.03**
*D3629 Withdrawn 2005; Test Method for Rubber Property—Cut Growth Resistance*
*D3630 Withdrawn 2001; Guide for Determining Constituents Classified as Hazardous Contained in Protective Coatings*
**D3631-99(2011)** Test Methods for Measuring Surface Atmospheric Pressure, **11.07**
**D3632-98(2011)** Test Method for Accelerated Aging of Adhesive Joints by the Oxygen-Pressure Method, **15.06**
**D3633/D3633M-12** Test Method for Electrical Resistivity of Membrane-Pavement Systems, **04.03**
**D3634-99(2009)** Test Method for Trace Chloride Ion in Engine Coolants, **15.05**
**D3635-13** Test Method for Dissolved Copper In Electrical Insulating Oil By Atomic Absorption Spectrophotometry, **10.03**
**D3636-13a$^{\epsilon 1}$** Practice for Sampling and Judging Quality of Solid Electrical Insulating Materials, **10.02**
*D3637 Withdrawn 1998; Test Methods for Permeability of Bituminous Mixtures*
**D3638-12** Test Method for Comparative Tracking Index of Electrical Insulating Materials, **10.02**
**D3639/D3639M-92(2011)$^{\epsilon 1}$** Test Method for Classification of Asbestos by Quebec Standard Test, **04.05**
*D3640 Withdrawn 1995; Guidelines for Emission Control in Solvent Metal-Cleaning Systems*
**D3641-14** Practice for Injection Molding Test Specimens of Thermoplastic Molding and Extrusion Materials, **08.02**
**D3642-13** Test Method for Softening Point of Certain Alkali-Soluble Resins, **15.04**
**D3643-10** Test Method for Acid Number of Certain Alkali-Soluble Resins, **15.04**
**D3644-06(2012)** Test Method for Acid Number of Styrene-Maleic Anhydride Resins, **15.04**
**D3645-08** Test Methods for Beryllium in Water, **11.01**
*D3646 Withdrawn 1985; Specification for Reinforced and Filled Polyphenylene Sulfide Injection Molding and Extrusion Materials; Replaced by D4067*
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**D3889/D3889M-96(2012)** Test Method for Adherence to Linerboard of Pressure-Sensitive Tape at Low Temperature, **15.10**
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*D3921 Withdrawn 2013; Test Method for Oil and Grease and Petroleum Hydrocarbons in Water*
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*D3932 Withdrawn 1991; Practice for Control of the Application of Structural Fasteners When Attached by Hot Melt Adhesive*
**D3933-98(2010)** Guide for Preparation of Aluminum Surfaces for Structural Adhesives Bonding (Phosphoric Acid Anodizing), **15.06**
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*D3940 Withdrawn 1995; Test Method for Bursting Strength (Load) and Elongation of Sewn Seams of Knit or Woven Stretch Textile Fabrics*
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*D3959 Withdrawn 2006; Test Method for Rubber- and Plastic-Coated Fabrics—Discoloration Sensitivity to Tobacco Smoke*
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**D4022/D4022M-07(2012)ε1** Specification for Coal Tar Roof Cement, Asbestos Containing, **04.04**
*D4023 Withdrawn 2002; Terminology Relating to Humidity Measurements; Replaced by D1356*
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*D4033 Withdrawn 2001; Test Method for Resistance to Yarn Slippage at the Sewn Seam in Upholstery Fabrics (Dynamic Fatigue Method)*
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*D4053 Withdrawn 2013; Test Method for Benzene in Motor and Aviation Gasoline by Infrared Spectroscopy; Replaced by D6277*
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*D4347 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Shipek (Scoop) Grab Sampler*
*D4348 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Holme (Scoop) Grab Sampler*
**D4349-10** Classification System and Basis for Specification for Polyphenylene Ether (PPE) Materials, **08.02**
**D4350-13** Test Method for Corrosivity Index of Plastics and Fillers, **08.02**
*D4351 Withdrawn 1992; Test Method for Measuring the Thermal Conductivity of Plastics by the Evaporation-Calorimetric Method*
*D4352 Withdrawn 2003; Test Method for Determination of Magnetic Material Impurities in Electrical Grade Magnesium Oxide*
*D4353 Withdrawn 1995; Test Method for Basic Stability of a Mechanical Pump Dispenser and Product*
**D4354-12** Practice for Sampling of Geosynthetics and Rolled Erosion Control Products(RECPs) for Testing, **04.13**
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*D4356 Withdrawn 2007; Practice for Establishing Consistent Test Method Tolerances*
*D4357 Withdrawn 2003; Specification for Plastic Laminates Made from Woven-Roving and Woven-Yarn Glass Fabrics*
*D4358 Withdrawn 2006; Test Method for Lead and Chromium in Air*

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*Particulate Filter Samples of Lead Chromate Type Pigment Dusts by Atomic Absorption Spectroscopy*
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*D4366 Withdrawn 2003; Test Methods for Hardness of Organic Coatings by Pendulum Damping Tests; Replaced by ISO 1522*
**D4367-02(2012)** Test Method for Benzene in Hydrocarbon Solvents by Gas Chromatography, **06.04**
*D4368 Withdrawn 2005; Guide for Testing Poly(Vinyl Chloride) Resins*
*D4369 Withdrawn 1999; Specification for Boxed Facial Tissue for Industrial and Institutional Use*
**D4370-01(2012)** Test Methods for Acid and Base Milliequivalent Content of Electrocoat Bath, **06.01**
**D4371-06(2012)** Test Method for Determining the Washability Characteristics of Coal, **05.06**
*D4372 Withdrawn 2002; Specification for Flame-Resistant Materials Used in Camping Tentage*
**D4373-02(2007)** Test Method for Rapid Determination of Carbonate Content of Soils, **04.08**
**D4374** *Withdrawn 2013; Test Methods for Cyanides in Water--Automated Methods for Total Cyanide, Weak Acid Dissociable Cyanide, and Thiocyanate*, **11.02**
**D4375-96(2011)** Practice for Basic Statistics in Committee D19 on Water, **11.01**
**D4376-02(2012)** Specification for Vapor-Degreasing Grade Perchloroethylene, **15.05**
**D4377-00(2011)** Test Method for Water in Crude Oils by Potentiometric Karl Fischer Titration, **05.02**
**D4378-13** Practice for In-Service Monitoring of Mineral Turbine Oils for Steam, Gas, and Combined Cycle Turbines, **05.02**
*D4379 Withdrawn 1987; Test Method for Emulsified Asphalt/Job Aggregate Cold Mix Test; Combined with D 244*
**D4380-12** Test Method for Density of Bentonitic Slurries, **04.08**
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**D4382-12** Test Method for Barium in Water, Atomic Absorption Spectrophotometry, Graphite Furnace, **11.01**
**D4383-12** Specification for Plowable, Raised Retroreflective Pavement Markers, **04.03**
*D4384 Withdrawn 1995; Test Method for Residual Acrylonitrile Monomer in Styrene-Acrylonitrile Copolymers and Nitrile Rubber by Solution Injection Gas Chromatography*
**D4385-13** Practice for Classifying Visual Defects in Thermosetting Reinforced Plastic Pultruded Products, **08.02**
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*D4387 Withdrawn 2003; Guide for Selecting Grab Sampling Devices for Collecting Benthic Macroinvertebrates*
**D4388-13** Specification for Nonmetallic Semi-Conducting and Electrically Insulating Rubber Tapes, **10.02**
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*D4390 Withdrawn 1994; Practice for the Evaluation of the Performance of Terry Bathroom Products for Household Use; Replaced by D5433*
**D4391-93a(2013)$^{\epsilon 2}$** Terminology Relating to The Burning Behavior of Textiles, **07.01**
*D4392 Withdrawn 1993; Terminology for Statistically Related Terms*
*D4393/D4393M Withdrawn 2014; Test Method for Strap Peel Adhesion of Reinforcing Cords or Fabrics to Rubber Compounds*
**D4394-08** Test Method for Determining In Situ Modulus of Deformation of Rock Mass Using Rigid Plate Loading Method, **04.08**
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*D4401 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates With Petersen Grab Sampler*
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**D4404-10** Test Method for Determination of Pore Volume and Pore Volume Distribution of Soil and Rock by Mercury Intrusion Porosimetry, **04.08**
*D4405 Withdrawn 2005; Test Method for Creep of Soft Rock Core Specimens in Uniaxial Compression at Ambient or Elevated Temperature; Replaced by D7070*
*D4406 Withdrawn 2005; Test Method for Creep of Rock Core Specimens in Triaxial Compression at Ambient or Elevated Temperatures; Replaced by D7070*
*D4407 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates With Orange Peel Grab Sampler*
*D4408 Withdrawn 1994; Practice for Open Channel Flow Measurement by Acoustic Means; Replaced by D5389*
**D4409-95(2014)** Test Method for Velocity Measurements of Water in Open Channels with Rotating Element Current Meters, **11.01**
**D4410-10** Terminology for Fluvial Sediment, **11.01**
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**D4413-98(2009)$^{\epsilon 1}$** Test Method for Determination of Ethylene Oxide in Workplace Atmospheres (Charcoal Tube Methodology), **11.07**
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*D4415 Withdrawn 2011; Test Methods for Determination of Dimer in Acrylic Acid*
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**D4417-11** Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel, **06.02**
**D4418-00(2011)** Practice for Receipt, Storage, and Handling of Fuels for Gas Turbines, **05.02**
**D4419-90(2010)** Test Method for Measurement of Transition Temperatures of Petroleum Waxes by Differential Scanning Calorimetry (DSC), **05.02**
*D4420 Withdrawn 2004; Test Method for Determination of Aromatics in Finished Gasoline by Gas Chromatography; Replaced by D5580*
*D4421 Withdrawn 2004; Test Method for Volatile Matter in Petroleum Coke*
**D4422-03(2008)** Test Method for Ash in Analysis of Petroleum Coke, **05.02**
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**D4430-00(2010)** Practice for Determining the Operational Comparability of Meteorological Measurements, **11.07**
*D4431 Withdrawn 2000; Specification for Paper Towels for Industrial and Institutional Use*
*D4432 Withdrawn 2003; Guide for Purchasing Papers Used in Continuous Computer Forms*
*D4433 Withdrawn 1997; Specification for Flame Resistant Treated Paper and Paperboard*
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**D4438-85(2007)** Test Method for Particle Size Distribution of Catalytic Material by Electronic Counting, **05.05**
**D4439-11** Terminology for Geosynthetics, **04.13**
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**D4442-07** Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials, **04.10**
**D4443-13** Test Method for Determining Residual Vinyl Chloride Monomer Content in PPB Range in Vinyl Chloride Homo- and Co-Polymers by Headspace Gas Chromatography, **08.02**
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**D4446-08(2012)** Test Method for Anti-Swelling Effectiveness of Water-Repellent Formulations and Differential Swelling of Untreated Wood When Exposed to Liquid Water Environments, **06.02**
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**D4450-85(2012)** Test Method for Analysis of Zinc Hydroxy Phosphite Pigment, **06.03**
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**D4452-06** Practice for X-Ray Radiography of Soil Samples, **04.08**
**D4453-11** Practice for Handling of High Purity Water Samples, **11.01**
**D4454-85(2009)** Test Method for Simultaneous Enumeration of Total and

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**D4455-85(2014)** Test Method for Enumeration of Aquatic Bacteria by Epifluorescence Microscopy Counting Procedure, **11.02**
**D4456-99(2009)$^{\epsilon 1}$** Test Methods for Physical and Chemical Properties of Powdered Ion Exchange Resins, **11.02**
**D4457-02(2008)** Test Method for Determination of Dichloromethane and 1,1,1-Trichloroethane in Paints and Coatings by Direct Injection into a Gas Chromatograph, **06.01**
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**D4462-02(2012)** Specification for Zinc Hydroxy Phosphite Pigment, **06.03**
**D4463/D4463M-96(2013)$^{\epsilon 1}$** Guide for Metals Free Steam Deactivation of Fresh Fluid Cracking Catalysts, **05.05**
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**D4466-02(2012)** Terminology Related to Multicomponent Textile Fibers, **07.02**
*D4467 Withdrawn 2010; Practice for Interlaboratory Testing of a Textile Test Method That Produces Non-Normally Distributed Data*
**D4468-85(2011)** Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and, **05.06**
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**D4473-08** Test Method for Plastics: Dynamic Mechanical Properties: Cure Behavior, **08.02**
*D4474 Withdrawn 2008; Classification System for Styrenic Thermoplastic Elastomer Injection Molding and Extrusion Materials (TES)*
**D4475-02(2008)** Test Method for Apparent Horizontal Shear Strength of Pultruded Reinforced Plastic Rods By the Short-Beam Method, **08.02**
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*D4478 Withdrawn 1994; Test Methods for Oxygen Uptake*
**D4479/D4479M-07(2012)$^{\epsilon 1}$** Specification for Asphalt Roof Coatings—Asbestos-Free, **04.04**
*D4480 Withdrawn 1999; Test Method for Measuring Surface Wind by Means of Wind Vanes and Rotating Anemometers; Replaced by D5741*
**D4481-10** Test Method for Total Nickel in Fresh Alumina-Base Catalysts, **05.05**
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*D4484 Withdrawn 1993; Test Method for Inorganic Particles in Marine Residual Fuel Oils by Selective Centrifugal Separation; Replaced by D5184*
**D4485-11c** Specification for Performance of Active API Service Category Engine Oils, **05.02**
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*D4488 Withdrawn 2009; Guide for Testing Cleaning Performance of Products Intended for Use on Resilient Flooring and Washable Walls*
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*D4500 Withdrawn 2001; Test Method for Determining Grit, Lumps, or Undissolved Matter in Water-Borne Adhesives*
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*D4503 Withdrawn 2012; Practice for Dissolution of Solid Waste by Lithium Metaborate Fusion*
**D4504-94(2011)** Specification for Molded Polyethylene Open-Head-Pails for Industrial Shipping of Nonhazardous Goods, **15.10**
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*D4507 Withdrawn 1999; Specification for Thermoplastic Polyester (TPES) Materials; Replaced by D5927*
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*D4509 Withdrawn 2004; Test Methods fir Determining the 24-Hour Gas (AIR) Space Acetaldehyde Content of Freshly Blown PET Bottles*
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*D4515 Withdrawn 2006; Practice for Estimation of Holding Time for Water Samples Containing Organic Constituents; Replaced by D4841*
**D4516-00(2010)** Practice for Standardizing Reverse Osmosis Performance Data, **11.02**
**D4517-04(2009)** Test Method for Low-Level Total Silica in High-Purity Water by Flameless Atomic Absorption Spectroscopy, **11.02**
*D4518 Withdrawn 2000; Test Methods for Measuring Static Friction of Coating Surfaces*
**D4519-10** Test Method for On-Line Determination of Anions and Carbon Dioxide in High Purity Water by Cation Exchange and Degassed Cation Conductivity, **11.01**
**D4520-13** Practice for Determining Water Injectivity Through the Use of On-Site Floods, **11.02**
*D4521 Withdrawn 2001; Test Method for Coefficient of Static Friction of Corrugated and Solid Fiberboard*
**D4522-14** Performance Specification for Feather and Down Fillings for Textile Products, **07.02**
*D4523 Withdrawn 2003; Terminology Relation to Feather-Filled and Down-Filled Products*
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**D4527-99(2011)** Test Method for Carbon Black—Solvent Extractables, **09.01**
**D4528-88(2012)** Classification for Rubber Compounding Materials—Sulfur, **09.01**
**D4529-01(2011)** Test Method for Estimation of Net Heat of Combustion of Aviation Fuels, **05.02**
**D4530-11** Test Method for Determination of Carbon Residue (Micro Method), **05.02**
**D4531-86(2008)** Test Methods for Bulk Density of Peat and Peat Products, **04.08**
**D4532-10** Test Method for Respirable Dust in Workplace Atmospheres Using Cyclone Samplers, **11.07**
**D4533-11** Test Method for Trapezoid Tearing Strength of Geotextiles, **04.13**
*D4534 Withdrawn 2006; Test Method for Benzene Content of Cyclic Products By Gas Chromatography*
**D4535-13$^{\epsilon 1}$** Test Methods for Measurement of Thermal Expansion of Rock Using Dilatometer, **04.08**
*D4536 Withdrawn 2000; Test Method for High-Volume Sampling for Solid Particulate Matter and Determination of Particulate Emissions; Replaced by D6331*
**D4537-12** Guide for Establishing Procedures to Qualify and Certify Personnel Performing Coating and Lining Work Inspection in Nuclear Facilities, **06.02**
**D4538-05$^{\epsilon 1}$** Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities, **06.02**
**D4539-10** Test Method for Filterability of Diesel Fuels by Low-Temperature Flow Test (LTFT), **05.02**
*D4540 Withdrawn 1996; Guide for Testing Interior Latex Semigloss and Gloss Paints; Replaced by D5324*
**D4541-09$^{\epsilon 1}$** Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers, **06.02**
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**D4544-12** Practice for Estimating Peat Deposit Thickness, **04.08**
*D4545 Withdrawn 2008; Practice for Determining the Integrity of Factory Seams Used in Joining Manufactured Flexible Sheet Geomembranes*
**D4546-08** Test Methods for One-Dimensional Swell or Collapse of Cohesive Soils, **04.08**
**D4547-09** Guide for Sampling Waste and Soils for Volatile Organic Compounds, **11.04**
**D4548-11** Test Method for Anion-Cation Balance of Mixed Bed Ion-Exchange Resins, **11.02**
**D4549-11** Classification System and Basis for Specification for Polystyrene and Rubber-Modified Polystyrene Molding and Extrusion Materials (PS), **08.02**
*D4550 Withdrawn 2004; Classification for Thermoplastic Elastomer-Ether-Ester (TEEE); Replaced by D6835*

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**D4551-12** Specification for Poly(Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane, **08.03**
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*D4556 Withdrawn 2003; Guide for Selecting Stream-Net Sampling Devices for Collecting Benthic Macroinvertebrates*
*D4557 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates with Surber and Related Type Samplers*
*D4558 Withdrawn 2003; Practice for Collecting Benthic Macroinvertebrates With Drift Nets*
**D4559-99(2010)** Test Method for Volatile Matter in Silicone Fluid, **10.03**
*D4560 Withdrawn 1999; Specification for Paper Napkins for Industrial and Institutional Use*
**D4561-11** Practice for Quality Control Systems for Organizations Producing and Applying Bituminous Paving Materials, **04.03**
**D4562-01(2013)** Test Method for Shear Strength of Adhesives Using Pin-and-Collar Specimen, **15.06**
**D4563-02(2008)** Test Method for Determination by Atomic Absorption Spectroscopy of Titanium Dioxide Content of Pigments Recovered From Whole Paint, **06.01**
*D4564 Withdrawn 2013; Test Method for Density and Unit Weight of Soil in Place by the Sleeve Method*
**D4565-10** Test Methods for Physical and Environmental Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable, **10.02**
**D4566-08ε1** Test Methods for Electrical Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable, **10.02**
**D4567-03(2013)** Test Method for Single-Point Determination of Specific Surface Area of Catalysts and Catalyst Carriers Using Nitrogen Adsorption by Continuous Flow Method, **05.05**
**D4568-13** Test Methods for Evaluating Compatibility Between Cable Filling and Flooding Compounds And Polyolefin Wire and Cable Materials, **10.02**
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**D4573-03(2009)** Test Method for Rubber Chemicals—Determination of Oil Content in Oil-Treated Sulfur, **09.01**
**D4574-06(2012)** Test Methods for Rubber Compounding Materials—Determination of Ash Content, **09.01**
**D4575-09** Test Methods for Rubber Deterioration—Reference and Alternative Method(s) for Determining Ozone Level in Laboratory Test Chambers, **09.01**
**D4576-08(2013)** Test Method for Mold Growth Resistance of Wet Blue, **15.04**
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**D4579-00(2012)** Practice for Handling an Acid Degreaser or Still, **15.05**
**D4580/D4580M-12** Practice for Measuring Delaminations in Concrete Bridge Decks by Sounding, **04.03**
*D4581 Withdrawn 2013; Guide for Measurement of Morphologic Characteristics of Surface Water Bodies*
**D4582-10** Practice for Calculation and Adjustment of the Stiff and Davis Stability Index for Reverse Osmosis, **11.02**
**D4583-95(2009)** Practice for Carbon Black—Calculation of Process Indexes From an Analysis of Process Control Data, **09.01**
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**D4609-08** Guide for Evaluating Effectiveness of Admixtures for Soil Stabilization, **04.08**
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**D4611-08** Test Method for Specific Heat of Rock and Soil, **04.08**
**D4612-08** Practice for Calculating Thermal Diffusivity of Rocks, **04.08**
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**D4614-11** Specification for Ethyl Acetate (All Grades), **06.04**
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*D4617 Withdrawn 2011; Classification System for Phenolic Compounds (PF)*
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**D4650-08** Specification for Normal Butane Thermophysical Property Tables, **05.06**
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**D4711-89(2009)** Test Method for Sulfonic and Sulfuric Acids in Alkylbenzene Sulfonic Acids, **15.04**
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**D4800-94(2011)** Guide for Classifying and Specifying Adhesives, **15.06**
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**D4806-13a** Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel, **05.02**
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*D4813 Not Assigned*
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**D5121-10** Practice for Preparation of Rock Slabs for Durability Testing, **04.08**
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**D5124-96(2013)** Practice for Testing and Use of a Random Number Generator in Lumber and Wood Products Simulation, **04.10**
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*D5235 Withdrawn 2006; Test Method for Microscopical Measurement of Dry Film Thickness of Coatings on Wood Products*
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*D5271 Withdrawn 2011; Test Method for Determining the Aerobic Biodegradation of Plastic Materials in an Activated-Sludge-Wastewater-Treatment System*
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**D5277-92(2008)** Test Method for Performing Programmed Horizontal Impacts Using an Inclined Impact Tester, **15.10**
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**D5295-00(2006)** Guide for Preparation of Concrete Surfaces for Adhered (Bonded) Membrane Waterproofing Systems, **04.04**
**D5296-11** Test Method for Molecular Weight Averages and Molecular Weight Distribution of Polystyrene by High Performance Size-Exclusion Chromatography, **08.03**
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**D5335-08** Test Method for Linear Coefficient of Thermal Expansion of Rock Using Bonded Electric Resistance Strain Gauges, **04.08**

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*D5345 Withdrawn 2000; Specification for Prediluted Aqueous Ethylene Glycol Base Low-Silicate Engine Coolant (50 Volume Percent Minimum) for Heavy-Duty Engines Requiring an Initial Charge of Supplemental Coolant Additive (SCA); Consolidated into D 4985*

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**D5418-07** Test Method for Plastics: Dynamic Mechanical Properties: In Flexure (Dual Cantilever Beam), **08.03**
**D5419-09** Test Method for Environmental Stress Crack Resistance (ESCR) of Threaded Plastic Closures, **08.03**
**D5420-10** Test Method for Impact Resistance of Flat, Rigid Plastic Specimen by Means of a Striker Impacted by a Falling Weight (Gardner Impact), **08.03**
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**D5451-93(2012)** Practice for Sampling Using a Trier Sampler, **11.04**
**D5452-12** Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration, **05.02**
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**D6609-08** Guide for Part-Stream Sampling of Coal, **05.06**
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*D6676 Withdrawn 2010; Test Method for Cathodic Disbonding of Exterior Pipeline Coatings at Elevated Temperatures Using Interior Heating*
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*D6692 Withdrawn 2010; Test Method for Determining the Biodegradability of Radiolabeled Polymeric Plastic Materials in Seawater*
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**D6726-01(2007)** Guide for Conducting Borehole Geophysical Logging—Electromagnetic Induction, **04.09**
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**D6728-11** Test Method for Determination of Contaminants in Gas Turbine and Diesel Engine Fuel by Rotating Disc Electrode Atomic Emission Spectrometry, **05.03**
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**D6822-12b** Test Method for Density, Relative Density, and API Gravity of Crude Petroleum and Liquid Petroleum Products by Thermohydrometer Method, **05.03**
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**D7777-13** Test Method for Density, Relative Density, or API Gravity of Liquid Petroleum by Portable Digital Density Meter, **05.04**
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# E. MISCELLANEOUS SUBJECTS

**E1-13** Specification for ASTM Liquid-in-Glass Thermometers, **14.03**
*E2 Withdrawn 1983; Methods of Preparation of Micrographs of Metals and Alloys (Including Recommended Practice for Photography As Applied to Metallography); Replaced by E883*
**E3-11** Guide for Preparation of Metallographic Specimens, **03.01**
**E4-13** Practices for Force Verification of Testing Machines, **03.01**
*E5 Withdrawn 1937; Methods of Preparation of Metallographic Specimens; Replaced by E3*
**E6-09bε1** Terminology Relating to Methods of Mechanical Testing, **03.01**
**E7-03(2009)** Terminology Relating to Metallography, **03.01**
*E8M Withdrawn 2008; Test Methods for Tension Testing of Metallic Materials [Metric]*
**E8/E8M-13a** Test Methods for Tension Testing of Metallic Materials, **03.01**
**E9-09** Test Methods of Compression Testing of Metallic Materials at Room Temperature, **03.01**
**E10-12** Test Method for Brinell Hardness of Metallic Materials, **03.01**
**E11-13** Specification for Woven Wire Test Sieve Cloth and Test Sieves, **14.02**
*E12 Withdrawn 1996; Terminology Relating to Density and Specific Gravity of Solids, Liquids, and Gases; Replaced by E1547*
*E13 Withdrawn 1967; Definitions of Terms Relating to Screen (Sieve)*
*E14 Withdrawn 1983; Recommended Practice for Thermal Analysis of Metals and Alloys*
*E15 Withdrawn 1949; Methods of Radiographic Testing of Metal Castings*
*E16 Withdrawn 1978; Method of Free Bend Test for Ductility of Welds*
*E17 Withdrawn 1939; Specification for Sieves for Testing Purposes (Wire Cloth Sieves, Bound - Hole and Square - Hole Screens or Sieves)—Replaced by E11*
**E18-14** Test Methods for Rockwell Hardness of Metallic Materials, **03.01**
*E19 Withdrawn 1962; Classification of Austenite Grain Size in Steels; Replaced by E112*
*E20 Withdrawn 1994; Practice for Particle Size Analysis of Particulate Substances in the Range of 0.2 to 75 Micrometres by Optical Microscopy*
**E21-09** Test Methods for Elevated Temperature Tension Tests of Metallic Materials, **03.01**
*E22 Withdrawn 1959; Recommended Practice for Conducting Long-Time High-Temperature Tension Test of Metallic Materials; Replaced by E139*
**E23-12c** Test Methods for Notched Bar Impact Testing of Metallic Materials, **03.01**
*E24 Withdrawn 1968; Definitions of Terms Relating to Rheological Properties of Matter*
*E25 Withdrawn 1950; Method of Quantitative Spectrochemical Analysis of High Grade Pig Lead*
*E26 Withdrawn 1954; Method of Quantitative Spectrochemical Analysis of Zinc Base Alloy and High Grade Zinc by the Solution-d-c Arc Technique*
*E27 Withdrawn 1986; Method for Spectrographic Analysis of Zinc and Zinc Alloys by the Solution-Residue Technique*
**E28-99(2009)** Test Methods for Softening Point of Resins Derived from Naval Stores by Ring-and-Ball Apparatus, **06.03**
**E29-13** Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications, **14.02**
*E30 Withdrawn 1995; Test Methods for Chemical Analysis of Steel, Cast Iron, Open-Hearth Iron, and Wrought Iron*
*E31 Withdrawn 1995; Methods for Chemical Analysis of Ferroalloys*
**E32-86(2006)ε1** Practices for Sampling Ferroalloys and Steel Additives for Determination of Chemical Composition, **03.05**
*E33 Withdrawn 1959; Hardness Conversion Table for Cartridge Brass (Relationship Between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness); Replaced by E140*
**E34-11ε1** Test Methods for Chemical Analysis of Aluminum and Aluminum-Base Alloys, **03.05**
*E35 Withdrawn 2008; Test Methods for Chemical Analysis of Magnesium and Magnesium Alloys*
*E36 Withdrawn 1980; Methods for Chemical Analysis of Brasses; Replaced by E478*
**E37-05(2011)** Test Methods for Chemical Analysis of Pig Lead, **03.05**
*E38 Withdrawn 1989; Methods for Chemical Analysis of Nickel-Chromium and Nickel-Chromium-Iron Alloys; Replaced by E353*
*E39 Withdrawn 1995; Methods for Chemical Analysis of Nickel*
*E40 Withdrawn 1993; Test Method for Chemical Analysis of Slab Zinc (Spelter); Replaced by E536*
**E41-92(2010)** Terminology Relating To Conditioning, **14.04**
*E42 Redesignated G23*
*E43 Withdrawn 1962; Recommended Practice for Identification of Crystalline Materials by the Hanawalt X-Ray Diffraction Method*
*E44 Withdrawn 1993; Definitions of Terms Relating to Heat Treatment of Metals; Redesignated A919*
**E45-13** Test Methods for Determining the Inclusion Content of Steel, **03.01**
*E46 Withdrawn 1994; Test Methods for Chemical Analysis of Lead- and Tin-Base Solder*
*E47 Withdrawn 1997; Test Methods for Chemical Analysis of Zinc Die-Casting Alloys*
*E48 Withdrawn 1959; Hardness Conversion Table for Steel (Relationship Between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness); Replaced by E140*
*E49 Withdrawn 1950; Method of Spectrochemical Analysis of Lead Alloys for Minor Constituents and Impurities*
**E50-11** Practices for Apparatus, Reagents, and Safety Considerations for Chemical Analysis of Metals, Ores, and Related Materials, **03.05**
*E51 Withdrawn 1984; Method for Spectrographic Analysis of Tin Alloys by the Powder Technique*
*E52 Withdrawn 1969; Industrial Radiographic Terminology for Use in Radiographic Inspection of Castings and Weldments*
**E53-07(2013)** Test Method for Determination of Copper in Unalloyed Copper by Gravimetry, **03.05**
*E54 Withdrawn 2002; Test Methods for Chemical Analysis of Special Brasses and Bronzes*
**E55-11** Practice for Sampling Wrought Nonferrous Metals and Alloys for Determination of Chemical Composition, **03.05**
*E56 Withdrawn 1994; Test Method for Chemical Analysis of Silver Brazing Alloys*
*E57 Withdrawn 1987; Methods for Chemical Analysis of White Metal Bearing Alloys*
*E58 Withdrawn 1951; Tentative Photometric Method for Determination of Bismuth in Pig Lead; Combined with E 37*
*E59 Withdrawn 1996; Practice for Sampling Steel and Iron for Determination of Chemical Composition*
**E60-11** Practice for Analysis of Metals, Ores, and Related Materials by Spectrophotometry, **03.05**
*E61 Withdrawn 1950; Methods for Photometry for Chemical Analysis of Magnesium and Magnesium-Base Alloys; Redesignated E35*
*E62 Withdrawn 2010; Test Methods for Chemical Analysis of Copper and Copper Alloys (Photometric Methods)*
*E63 Withdrawn 1951; Tentative Photometric Method for Chemical Analysis of Copper-Nickel and Copper-Nickel-Zinc Alloys; Combined with E 75*
*E64 Withdrawn 1957; Photometric Methods for Determination of Iron in Slab Zinc (Spelter); Combined with E 40*
*E65 Withdrawn 1951; Method of Sampling Slab Zinc (Spelter)*
*E66 Withdrawn 1948; Method for Sampling Molybdenum Salts and Compounds for Metallurgical Use; Combined with A 146*
*E67 Withdrawn 1951; Tentative Photometric Method for Chemical Analysis of Lead, Tin, Antimony and Their Alloys*
*E68 Withdrawn 1980; Method for Polarographic Determination of Lead and Cadmium in Zinc*
**E69-02(2007)** Test Method for Combustible Properties of Treated Wood by the Fire-Tube Apparatus, **04.10**
**E70-07** Test Method for pH of Aqueous Solutions With the Glass Electrode, **15.05**
*E71 Withdrawn 1974; Reference Radiographs for Steel Castings up to 2 in. in Thickness; Replaced by E446*
**E72-14a** Test Methods of Conducting Strength Tests of Panels for Building Construction, **04.11**
**E73-13** Practice for Static Load Testing of Truss Assemblies, **04.11**
**E74-13a** Practice of Calibration of Force-Measuring Instruments for Verifying the Force Indication of Testing Machines, **03.01**
*E75 Withdrawn 2010; Test Methods for Chemical Analysis of Copper-Nickel and Copper-Nickel-Zinc Alloys*
*E76 Withdrawn 2003; Test Methods for Chemical Analysis of Nickel-Copper Alloys*
**E77-07** Test Method for Inspection and Verification of Thermometers, **14.03**
*E78 Withdrawn 1953; Method of Compression Testing of Metallic Materials; Combined with E 9*
*E79 Withdrawn 1964; Methods for Estimating the Average Grain Size of Wrought Copper and Copper-Base Alloys; Replaced by E112*
*E80 Withdrawn 1986; Recommended Practice for Dilatometric Analysis of Metallic Materials; Replaced by E228*
**E81-96(2011)** Test Method for Preparing Quantitative Pole Figures, **03.01**
**E82-09** Test Method for Determining the Orientation of a Metal Crystal, **03.01**
**E83-10a** Practice for Verification and Classification of Extensometer Systems, **03.01**
**E84-14** Test Method for Surface Burning Characteristics of Building Materials, **04.07**
*E85 Withdrawn 1959; Recommended Practice for Conducting Time-for-Rupture-Tension Tests of Metallic Materials; Replaced by E139*
*E86 Withdrawn 1983; Methods for Chemical Analysis of Antimony*
*E87 Withdrawn 1984; Methods for Chemical Analysis of Lead, Tin, Antimony and Their Alloys (Photometric Method)*
**E88-11** Practice for Sampling Nonferrous Metals and Alloys in Cast Form for Determination of Chemical Composition, **03.05**
*E89 Withdrawn 1962; Methods for Estimating the Average Ferrite Grain Size of Low-Carbon Steels; Replaced by E112*
**E90-09** Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, **04.06**
*E91 Withdrawn 1962; Method for Estimating the Average Grain Size of Non-Ferrous Metals, Other Than Copper, and Their Alloys; Replaced by E112*
*E92 Withdrawn 2010; Test Method for Vickers Hardness of Metallic Materials; Replaced by E384*
*E93 Withdrawn 1959; Hardness Conversion Table for Nickel and High Nickel Alloys (Relationship Between Diamond Pyramid Hardness, Brinell Hardness, and Rockwell Hardness; Replaced by E140*
**E94-04(2010)** Guide for Radiographic Examination, **03.03**
**E95-68(2011)** Specification for Cell-Type Oven with Controlled Rates of Ventilation, **14.04**
**E96/E96M-13** Test Methods for Water Vapor Transmission of Materials, **04.06**
*E97 Withdrawn 1992; Test Method for Directional Reflectance Factor, 45-° 0-°,*

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*E98 Withdrawn 1965; Reference Radiographs for Inspection of Aluminum and Magnesium Castings; Replaced by E155*
*E99 Withdrawn 1973; Reference Radiographs for Steel Welds; Replaced by E390*
**E100-10** Specification for ASTM Hydrometers, **14.03**
*E101 Withdrawn 1996; Test Method for Spectrographic Analysis of Aluminum and Aluminum Alloys by the Point-to-Plane Technique*
**E102/E102M-93(2009)** Test Method for Saybolt Furol Viscosity of Bituminous Materials at High Temperatures, **04.04**
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**E104-02(2012)** Practice for Maintaining Constant Relative Humidity by Means of Aqueous Solutions, **11.07**
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*E106 Withdrawn 2011; Test Methods for Chemical Analysis of Copper-Beryllium Alloys*
*E107 Withdrawn 2003; Test Methods for Chemical Analysis of Electronic Nickel*
**E108-11** Test Methods for Fire Tests of Roof Coverings, **04.07**
*E109 Withdrawn 1981; Method for Dry Powder Magnetic Particle Inspection; Replaced by E709*
**E110-10** Test Method for Indentation Hardness of Metallic Materials by Portable Hardness Testers, **03.01**
**E111-04(2010)** Test Method for Young's Modulus, Tangent Modulus, and Chord Modulus, **03.01**
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*E113 Withdrawn 1981; Recommended Practice for Ultrasonic Testing by the Resonance Method*
**E114-10** Practice for Ultrasonic Pulse-Echo Straight-Beam Contact Testing, **03.03**
*E115 Withdrawn 2003; Practice for Photographic Processing in Optical Emission Spectrographic Analysis*
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*E117 Withdrawn 1995; Method for Spectrographic Analysis of Pig Lead by the Point-To-Plane Technique*
*E118 Withdrawn 2010; Test Methods for Chemical Analysis of Copper-Chromium Alloys*
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*E120 Withdrawn 2003; Test Methods for Chemical Analysis of Titanium and Titanium Alloys*
*E121 Withdrawn 2010; Test Methods for Chemical Analysis of Copper-Tellurium Alloys*
**E122-09ε1** Practice for Calculating Sample Size to Estimate, With Specified Precision, the Average for a Characteristic of a Lot or Process, **14.02**
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**E126-13a** Test Method for Inspection, Calibration, and Verification of ASTM Hydrometers, **14.03**
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**E128-99(2011)** Test Method for Maximum Pore Diameter and Permeability of Rigid Porous Filters for Laboratory Use, **14.04**
*E129 Withdrawn 1999; Test Method for Spectrographic Analysis of Thermionic Nickel Alloys by the Powder Technique*
*E130 Withdrawn 2013; Practice for Designation of Shapes and Sizes of Graphite Electrodes*
**E131-10** Terminology Relating to Molecular Spectroscopy, **03.06**
**E132-04(2010)** Test Method for Poisson's Ratio at Room Temperature, **03.01**
**E133-92(2010)** Specification for Distillation Equipment, **14.04**
*E134 Withdrawn 1987; Specification for Pensky-Martens Closed Flash Tester*
**E135-14a** Terminology Relating to Analytical Chemistry for Metals, Ores, and Related Materials, **03.05**
**E136-12** Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C, **04.07**
*E137 Withdrawn 1992; Practice for Evaluation of Mass Spectrometers for Quantitative Analysis from a Batch Inlet*
*E138 Withdrawn 1981; Method for Wet Magnetic Particle Inspection; Replaced by E709*
**E139-11** Test Methods for Conducting Creep, Creep-Rupture, and Stress-Rupture Tests of Metallic Materials, **03.01**
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*E142 Withdrawn 2000; Method for Controlling Quality of Radiographic Testing; Replaced by E94*
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**E144-94(2011)** Practice for Safe Use of Oxygen Combustion Bombs, **14.04**
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*E146 Withdrawn 1991; Methods for Chemical Analysis of Zirconium and Zirconium Alloys*
**E147-61(2011)** Specification for Apparatus for Microdetermination of Nitrogen by Kjeldahl Method, **14.04**
*E148 Withdrawn 1987; Specification for Apparatus for Microdetermination of Nitrogen by the Dumas Method*
*E149 Withdrawn 1980; Method of Test for Bond Strength of Mortar to Masonry Units; Redesignated C952*
*E150 Withdrawn 1984; Recommended Practice for Conducting Creep and Creep-Rupture Tension Tests of Metallic Materials Under Conditions of Rapid Heating and Short Times*
*E151 Withdrawn 1984; Recommended Practice for Tension Tests of Metallic Materials at Elevated Temperatures with Rapid Heating and Conventional or Rapid Strain Rates*
*E152 Withdrawn 1995; Methods of Fire Tests of Door Assemblies*
*E153 Withdrawn 1967; Method of Test for Bulk Density of Abrasive Grains*
**E154/E154M-08a(2013)ε1** Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover, **04.11**
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*E156 Withdrawn 1993; Test Method for Determination of Phosphorus In High-Phosphorus Brazing Alloys (Photometric Method)*
*E157 Withdrawn 1999; Practice for Assigning Crystallographic Phase Designations in Metallic Systems*
*E158 Withdrawn 2004; Practice for Fundamental Calculations to Convert Intensities into Concentrations in Optical Emission Spectrochemical Analysis*
**E159-10** Test Method for Loss of Mass in a Reducing Gas Atmosphere for Cobalt, Copper, Tungsten, and Iron Powders (Hydrogen Loss), **02.05**
*E160 Withdrawn 1993; Test Method for Combustible Properties of Treated Wood by the Crib Test*
**E161-12** Specification for Precision Electroformed Sieves, **14.02**
**E162-13** Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source, **04.07**
*E163 Withdrawn 1995; Methods of Fire Tests of Window Assemblies*
**E164-13** Practice for Contact Ultrasonic Testing of Weldments, **03.03**
**E165/E165M-12** Practice for Liquid Penetrant Examination for General Industry, **03.03**
*E166 Withdrawn 1978; Recommended Practice for Goniophotometry of Transmitting Objects and Materials; Replaced by E167*
*E167 Withdrawn 2005; Practice for Goniophotometry of Objects and Materials*
**E168-06** Practices for General Techniques of Infrared Quantitative Analysis, **03.06**
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**E170-10** Terminology Relating to Radiation Measurements and Dosimetry, **12.02**
**E171/E171M-11** Practice for Conditioning and Testing Flexible Barrier Packaging, **15.10**
*E172 Withdrawn 2001; Practice for Describing and Specifying the Excitation Source in Emission Spectrochemical Analysis*
*E173 Withdrawn 1997; Practice for Conducting Interlaboratory Studies of Methods for Chemical Analysis of Metals*
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**E175-82(2010)** Terminology of Microscopy, **03.01**
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*E180 Withdrawn 2009; Practice for Determining the Precision of ASTM Methods for Analysis and Testing of Industrial and Specialty Chemicals*
**E181-10** Test Methods for Detector Calibration and Analysis of Radionuclides, **12.02**
*E182 Withdrawn 1981; Methods for Analysis of Phosphorus-32*
*E183 Withdrawn 1975; Recommended Practice for Determining Changes in Chemical Reactivity of Inorganic Materials Exposed to High-Energy Radiation*
*E184 Withdrawn 2002; Practice for Effects of High-Energy Neutron Radiation on the Mechanical Properties of Metallic Materials, E706 (IB)*
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*E187 Withdrawn 1970; Recommended Practice for Conducting Natural Light (Sunlight and Daylight) Exposures Under Glass; Redesignated G24*
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*E189 Withdrawn 1988; Recommended Practice for Determining Temperature-Electrical Resistance Characteristics (EMF) of Metallic Materials*
**E190-92(2008)** Test Method for Guided Bend Test for Ductility of Welds, **03.01**
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*E195 Withdrawn 1984; Methods for Chemical Analysis of Reactor and Commercial Columbium*
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*E199 Withdrawn 1966; Recommended Practice for Measuring Neutron Flux Environment for Reactor Irradiated Specimens; Replaced by E261 to E266*
**E200-08** Practice for Preparation, Standardization, and Storage of Standard and Reagent Solutions for Chemical Analysis, **15.05**
*E201 Withdrawn 2001; Test Method for Calculation of Volume and Weight of Industrial Chemical Liquids*
**E202-12** Test Methods for Analysis of Ethylene Glycols and Propylene Glycols, **15.05**
**E203-08** Test Method for Water Using Volumetric Karl Fischer Titration, **15.05**
*E204 Withdrawn 2014; Practices for Identification of Material by Infrared Absorption Spectroscopy, Using the ASTM Coded Band and Chemical Classification Index*
**E205-96(2010)** Specification for Glass and Oxygen Combustion Flask, **14.04**
*E206 Withdrawn 1988; Definitions of Terms Relating to Fatigue Testing and the Statistical Analysis of Fatigue Data; Replaced by E1150*
**E207-08** Test Method for Thermal EMF Test of Single Thermoelement Materials by Comparison with a Reference Thermoelement of Similar EMF-Temperature Properties, **14.03**
**E208-06(2012)** Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels, **03.01**
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*E212 Withdrawn 1997; Test Method for Spectrographic Analysis of Carbon and Low-Alloy Steel by the Rod-to-Rod Technique*
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*E214 Withdrawn 2007; Practice for Immersed Ultrasonic Testing by the Reflection Method Using Pulsed Longitudinal Waves*
**E215-11** Practice for Standardizing Equipment for Electromagnetic Testing of Seamless Aluminum-Alloy Tube, **03.03**
*E216 Withdrawn 1969; Recommended Practice for Measuring Coating Thickness by Magnetic or Electromagnetic Methods; Replaced by E376*
*E217 Withdrawn 1992; Test Method for Uranium by Controlled-Potential Coulometry*
*E218 Withdrawn 1968; Method for Radiochemical Determination of Cesium-137 in Aqueous Solutions (Chloroplatinate Method)*
*E219 Withdrawn 2001; Test Method for Atom Percent Fission in Uranium Fuel (Radiochemical Method)*
**E220-13** Test Method for Calibration of Thermocouples By Comparison Techniques, **14.03**
*E221 Withdrawn 1968; Definitions of Terms Relating to Carbon Paper and Luked Ribbon Products and Images Made Therefrom; Redesignated F221*
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**E223-08** Test Methods for Analysis of Sulfuric Acid, **15.05**
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*E225 Withdrawn 1983; Method for Spectrographic Determination of Magnesium in Cast Iron by the Solution-Rotating Disk Technique*
*E226 Withdrawn 1987; Method for Spectrochemical Analysis of Magnesium Alloys for Calcium by Flame Photometry*
*E227 Withdrawn 2002; Test Method for Optical Emission Spectrometric Analysis of Aluminum and Aluminum Alloys by the Point-to-Plane Technique*
**E228-11** Test Method for Linear Thermal Expansion of Solid Materials With a Push-Rod Dilatometer, **14.02**
*E229 Withdrawn 2003; Test Method for Shear Strength and Shear Modulus of Structural Adhesives*
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*E231 Withdrawn 1985; Method for Static Determination of Young's Modulus of Metals at Low and Elevated Temperatures*
*E232 Redesignated F232*
*E233 Withdrawn 1996; Test Method for Assay of n-Butyllithium Solutions*
*E234 Withdrawn 2009; Test Method for Total Bromine Number of Unsaturated Aliphatic Chemicals*
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*E244 Withdrawn 2001; Test Method for Atom Percent Fission in Uranium and Plutonium Fuel (Mass Spectrometric Method)*
*E245 Withdrawn 1968; Method for Colorimetric Determination of Uranium in Aqueous Solutions; Replaced by E318*
**E246-10** Test Methods for Determination of Iron in Iron Ores and Related Materials by Dichromate Titrimetry, **03.05**
**E247-01(2010)** Test Method for Determination of Silica in Manganese Ores, Iron Ores, and Related Materials by Gravimetry, **03.05**
**E248-12** Test Method for Determination of Manganese in Manganese Ores by Pyrophosphate Complexed Permanganate Potentiometric Titrimetry, **03.05**
*E249 Withdrawn 1974; Specification for Standard Tire for Pavement Skid Resistance Tests; Replaced by E112*
*E250 Withdrawn 2014; Practice for Use of CODEN*
**E251-92(2009)** Test Methods for Performance Characteristics of Metallic Bonded Resistance Strain Gauges, **03.01**
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*E257 Withdrawn 2009; Test Method for Sulfur in Organic Compounds by Sodium Peroxide Bomb Ignition*
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**E264-08(2013)** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Nickel, **12.02**
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*E267 Withdrawn 2006; Test Method for Uranium and Plutonium Concentrations and Isotopic Abundances*
*E268 Withdrawn 1991; Terminology Relating to Electromagnetic Testing; Replaced by E1316*
*E269 Withdrawn 1991; Definitions of Terms Relating to Magnetic Particle Examination; Replaced by E1316*
*E270 Withdrawn 1991; Terminology Relating to Liquid Penetrant Examination; Replaced by E1316*
*E271 Withdrawn 2003; Test Methods for Analysis of Aqueous Hydrofluoric Acid*
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*E277 Withdrawn 1990; Test Method for Total Iron in Iron Ores by Stannous Chloride Reduction and Dichromate Titration*
**E278-01(2010)$^{\epsilon 1}$** Test Method for Determination of Phosphorus in Iron Ores by Phosphomolybdate Coprecipitation and Nitric Acid Titrimetry, **03.05**
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*E281 Withdrawn 1983; Method for Spectrographic Analysis of Carbon and Low-Alloy Steel by the Pellet Technique*
*E282 Withdrawn 1983; Method for Spectrographic Analysis of Carbon and Low-Alloy Steel by the Point-to-Plane Technique*
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**E284-13a** Terminology of Appearance, **06.01**
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*E286 Withdrawn 1991; Test Method for Surface Flammability of Building Materials Using an 8-ft (2.44-m) Tunnel Furnace*
**E287-02(2012)** Specification for Laboratory Glass Graduated Burets, **14.04**
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*E293 Withdrawn 1997; Test Method for Spectographic Determination of Acid-Soluble Aluminum in Low-Alloy Steel by the Solution Technique*
*E294 Withdrawn 2000; Test Method for Effective Pumping Speed of Vacuum Chamber Systems*
**E295-82(2014)** Test Method for Measured Speed of Oil Diffusion Pumps, **15.03**
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*E297 Withdrawn 1984; Methods for Calibrating Ionization Vacuum Gage Tubes*
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**E300-03(2009)** Practice for Sampling Industrial Chemicals, **15.05**
*E301 Withdrawn 2001; Test Method for Total Acidity of Organic Acids*
*E302 Withdrawn 2001; Test Methods for Monobasic Organic Acids*
**E303-93(2013)** Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester, **04.03**
*E304 Withdrawn 1992; Practice for Use and Evaluation of Spark Source Mass Spectrometers for Analysis of Solids*
**E305-13** Practice for Establishing and Controlling Atomic Emission Spectrochemical Analytical Curves, **03.05**
*E306 Withdrawn 1989; Method for Absolute Calibration of Reflectance Standards*
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*E311 Withdrawn 1982; Recommended Practice for Sampling and Sample Preparation Techniques in Spectrochemical Analysis*
**E312-06(2011)** Practice for Description and Selection of Conditions for Photographing Specimens Using Analog (Film) Cameras and Digital Still Cameras (DSC), **06.01**
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*E315 Withdrawn 2010; Test Methods for Chemical Analysis of Molybdenum*
**E316-11** Test Method for Determination of Iron in Manganese Ores by Hydrogen Sulfide Reduction-Dichromate Titrimetry, **03.05**
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*E318 Withdrawn 1996; Test Method for Uranium in Aqueous Solutions by Colorimetry*
**E319-85(2008)** Practice for the Evaluation of Single-Pan Mechanical Balances, **14.04**
*E320 Withdrawn 1993; Test Method for Cesium-137 in Nuclear Fuel Solutions by Radiochemical Analysis*
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**E323-11** Specification for Perforated-Plate Sieves for Testing Purposes, **14.02**
*E324 Withdrawn 2001; Test Method for Relative Initial and Final Melting Points and the Melting Range of Organic Chemicals*
*E325 Withdrawn 1996; Test Method for Silicon in Organic Compounds byPeroxide Bomb Ignition*
*E326 Withdrawn 2001; Test Method for Hydroxyl Groups by Phthalic Anhydride Esterification*
*E327 Withdrawn 1999; Test Method for Optical Emission Spectrometric Analysis of Stainless Type 18-8 Steels by the Point-to-Plane Technique*
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**E331-00(2009)** Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference, **04.11**
*E332 Withdrawn 1977; Recommended Practice for Combined Simulated Space-Environment Testing of Thermal Control Materials; Replaced by E512*
*E333 Withdrawn 1977; Recommended Practice for Testing Thermal Control Coatings with Simulated 2000 to 4000 A Solar Ultraviolet Radiation; Replaced by E512*
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*E335 Withdrawn 2002; Test Method for Hydroxyl Groups by Pyromellitic Dianhydride Esterification*
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*E338 Withdrawn 2010; Test Method of Sharp-Notch Tension Testing of High-Strength Sheet Materials*
*E339 Withdrawn 1993; Test Method for Discrimination of Differences in the Production of Alcoholic Beverages by the Duo-Trio Method*
**E340-13** Test Method for Macroetching Metals and Alloys, **03.01**
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**E342-11** Test Method for Determination of Chromium Oxide in Chrome Ores by Permanganate Titrimetry, **03.05**
*E343 Withdrawn 2002; Test Method for Measuring Reaction Rates by Analysis of Molybdenum-99 Radioactivity From Fission Docimeters*
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*E347 Withdrawn 2003; Test Method for Ash in Polybasic Acids*
*E348 Withdrawn 2000; Practices for Man-Rated Space Facilities*
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**E355-96(2014)** Practice for Gas Chromatography Terms and Relationships, **03.06**
*E356 Withdrawn 2001; Practices for Describing and Specifying the Spectrograph*
*E357 Withdrawn 2009; Test Method for Phosphorus in Organic Compounds by Sodium Peroxide Bomb Ignition*
*E358 Withdrawn 2000; Test Methods for Analysis of Phosphoric Acid*
**E359-10** Test Methods for Analysis of Soda Ash (Sodium Carbonate), **15.05**
*E360 Withdrawn 2006; Test Methods for Chemical Analysis of Silicon and Ferrosilicon*
*E361 Withdrawn 2005; Test Methods for the Determination of Arsenic and Lead in Ferromanganese*
*E362 Withdrawn 2005; Test Methods for the Determination of Arsenic and Lead in Silicomanganese and Ferrosilicon Manganese*
**E363-09** Test Methods for Chemical Analysis of Chromium and Ferrochromium, **03.05**
*E364 Withdrawn 2006; Test Methods for Chemical Analysis of Ferrochrome-Silicon*
*E365 Withdrawn 2005; Test Method for the Determination of Vanadium in Ferrovanadium and Vanadium Alloying Additives*
*E366 Not Assigned*
**E367-09** Test Methods for Chemical Analysis of Ferroniobium, **03.05**
*E368 Withdrawn 1998; Method for Chemical Analysis of Ferromolybdenum*
*E369 Not Assigned*
*E370 Not Assigned*
*E371 Withdrawn 2006; Test Method for The Determination of Boron in Ferroboron*
**E372-13** Test Method for Determination of Calcium and Magnesium in Magnesium Ferrosilicon by EDTA Titration, **03.05**
*E373 Not Assigned*
*E374 Not Assigned*
*E375 Withdrawn 1992; Definitions of Terms Relating To Resinography*
**E376-11** Practice for Measuring Coating Thickness by Magnetic-Field or Eddy-Current (Electromagnetic) Testing Methods, **03.03**
**E377-08** Practice for Internal Temperature Measurements in Low-Conductivity Materials, **15.03**
*E378 Withdrawn 2004; Test Method for Spectrographic Analysis of Silver by the Powder Technique*
*E379 Withdrawn 1987; Specification for Apparatus for Direct Microdetermination of Oxygen in Organic Compounds*
*E380 Withdrawn 1997; Practice for Use of the International System of Units (SI) (the Modernized Metric System); Replaced by IEEE/ASTM SI-10*
**E381-01(2012)** Method of Macroetch Testing Steel Bars, Billets, Blooms, and Forgings, **03.01**
**E382-12** Test Method for Determination of Crushing Strength of Iron Ore Pellets, **03.05**
*E383 Withdrawn 1993; Method for X-Ray Emission Spectrometric Determination of Tungsten in Nickel-Tungsten Alloys*
**E384-11$^{\epsilon 1}$** Test Method for Knoop and Vickers Hardness of Materials, **03.01**
**E385-11** Test Method for Oxygen Content Using a 14-MeV Neutron Activation and Direct-Counting Technique, **12.02**
**E386-90(2011)** Practice for Data Presentation Relating to High-Resolution Nuclear Magnetic Resonance (NMR) Spectroscopy, **03.06**
**E387-04(2014)** Test Method for Estimating Stray Radiant Power Ratio of

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**E388-04(2009)** Test Method for Wavelength Accuracy and Spectral Bandwidth of Fluorescence Spectrometers, **03.06**
**E389-13** Test Method for Particle Size or Screen Analysis at No. 4 (4.75-mm) Sieve and Coarser for Metal-Bearing Ores and Related Materials, **03.05**
**E390-11** Reference Radiographs for Steel Fusion Welds, **03.03**
*E391 Withdrawn 1999; Practice for Presentation of Phase Diagrams*
*E392 Withdrawn 1980; Recommended Practice for Equipment for Conditioned Atmospheres: Temperatures and Relative Humidity*
**E393-13** Test Method for Measuring Reaction Rates by Analysis of Barium-140 From Fission Dosimeters, **12.02**
**E394-09** Test Method for Iron in Trace Quantities Using the 1,10-Phenanthroline Method, **15.05**
*E395 Withdrawn 2007; Test Method for Determination of Total Sulfur in Iron Ores and Related Materials by Combustion-Iodate Titration; Replaced by E1915*
**E396-12$^{\epsilon 1}$** Test Methods for Chemical Analysis of Cadmium, **03.05**
*E397 Withdrawn 1984; Methods for Chemical Analysis of Tungsten*
**E398-13** Test Method for Water Vapor Transmission Rate of Sheet Materials Using Dynamic Relative Humidity Measurement, **15.10**
**E399-12$^{\epsilon 3}$** Test Method for Linear-Elastic Plane-Strain Fracture Toughness K, **03.01**
*E400 Withdrawn 2007; Test Method for Analysis of Ores, Minerals, and Rocks by Fire Assay Preconcentration Atomic Emission Spectrometry*
*E401 Withdrawn 1996; Practice for Bonding Thin Spectrochemical Samples and Standards to a Greater Mass of Material*
*E402 Withdrawn 2007; Test Method for Spectrographic Analysis of Uranium Oxide ($U_3O_8$) by Gallium Oxide-Carrier Technique*
*E403 Withdrawn 1995; Test Method for Optical Emission Spectrometric Analysis of Carbon and Low-Alloy Steel by the Point-To-Plane Technique; Replaced by E415*
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**E405-04(2012)** Test Methods for Wear Testing Rotary Operators for Windows, **04.11**
**E406-81(2012)** Practice for Using Controlled Atmospheres in Spectrochemical Analysis, **03.05**
**E407-07$^{\epsilon 1}$** Practice for Microetching Metals and Alloys, **03.01**
**E408-13** Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques, **15.03**
*E409 Withdrawn 2002; Practice for Description and Performance of the Microphotometer*
**E410-08** Test Method for Moisture and Residue in Liquid Chlorine, **15.05**
**E411-12** Test Method for Trace Quantities of Carbonyl Compounds with 2,4-Dinitrophenylhydrazine, **15.05**
*E412 Withdrawn 1996; Test Method for Assay of Liquid Chlorine (Zinc Amalgam Method); Replaced by E1746*
**E413-10** Classification for Rating Sound Insulation, **04.06**
*E414 Withdrawn 1994; Test Method for Spectrographic Analysis of Copper by the Briquet Technique*
**E415-14** Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry, **03.05**
*E416 Withdrawn 2005; Practice for Planning and Safe Operation of a Spectrochemical Laboratory*
*E417 Withdrawn 1977; Method for Colorimetric Determination of Technetium in Aqueous Solutions; Replaced by E321*
*E418 Withdrawn 1984; Method for Fast-Neutron Flux Measurements by Track-Etch Techniques; Replaced by E854*
*E419 Withdrawn 1983; Guide for Selection of Neutron Activation Detector Materials; Replaced by E844*
*E420 Withdrawn 1982; Specification for Sheathed Electrical Resistance Heater*
*E421 Withdrawn 1997; Test Method for Spectrographic Determination of Silicon and Aluminum in High-Purity Iron*
**E422-05(2011)** Test Method for Measuring Heat Flux Using a Water-Cooled Calorimeter, **15.03**
**E423-71(2014)** Test Method for Normal Spectral Emittance at Elevated Temperatures of Nonconducting Specimens, **15.03**
**E424-71(2007)** Test Methods for Solar Energy Transmittance and Reflectance (Terrestrial) of Sheet Materials, **12.02**
*E425 Withdrawn 1991; Terminology Relating to Leak Testing; Replaced by E1316*
**E426-12** Practice for Electromagnetic (Eddy-Current) Examination of Seamless and Welded Tubular Products, Titanium, Austenitic Stainless Steel and Similar Alloys, **03.03**
*E427 Withdrawn 2013; Practice for Testing for Leaks Using the Halogen Leak Detector Alkali-Ion Diode*
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**E431-96(2011)** Guide to Interpretation of Radiographs of Semiconductors and Related Devices, **03.03**
**E432-91(2011)** Guide for Selection of a Leak Testing Method, **03.03**
**E433-71(2013)** Reference Photographs for Liquid Penetrant Inspection, **03.03**
**E434-10** Test Method for Calorimetric Determination of Hemispherical Emittance and the Ratio of Solar Absorptance to Hemispherical Emittance Using Solar Simulation, **15.03**
*E435 Withdrawn 1995; Test Method for Acetic Anhydride Content (Assay) of Acetic Anhydride*
**E436-03(2008)** Test Method for Drop-Weight Tear Tests of Ferritic Steels, **03.01**
*E437 Withdrawn 2000; Specification for Industrial Wire Cloth and Screens (Square Opening Series); Replaced by E2016*
**E438-92(2011)** Specification for Glasses in Laboratory Apparatus, **14.04**
**E439-10** Test Methods for Chemical Analysis of Beryllium, **03.05**
*E440 Withdrawn 1994; Test Method for Traces of Peroxides in Organic Solvents with N′N′-Diphenyl-p-Phenylenediamine*
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**E444-09** Guide for Scope of Work of Forensic Document Examiners, **14.02**
**E445/E445M-88(2013)** Test Method for Stopping Distance on Paved Surfaces Using a Passenger Vehicle Equipped With Full-Scale Tires, **04.03**
**E446-10** Reference Radiographs for Steel Castings Up to 2 in. (50.8 mm) in Thickness, **03.03**
**E448-82(2008)** Practice for Scleroscope Hardness Testing of Metallic Materials, **03.01**
**E449-08(2013)** Test Methods for Analysis of Calcium Chloride, **15.05**
*E450 Withdrawn 1993; Method for Measurement of Color of Low-Colored Clear Liquids Using the Hunterlab Color Difference Meter*
*E451 Withdrawn 1988; Practice for Testing Pavement Polishing in the Laboratory (Full-Scale Wheel Method)*
**E452-02(2013)** Test Method for Calibration of Refractory Metal Thermocouples Using a Radiation Thermometer, **14.03**
*E453 Withdrawn 2008; Practice for Examination of Fuel Element Cladding Including the Determination of the Mechanical Properties*
**E454-12** Specification for Industrial Perforated Plate and Screens (Square Opening Series), **14.02**
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**E460-12** Practice for Determining Effect of Packaging on Food and Beverage Products During Storage, **15.08**
*E461 Withdrawn 1992; Practice for Sensory Evaluation of Industrial and Institutional Food Purchase*
*E462 Withdrawn 1998; Test Method for Odor and Taste Transfer from Packaging Film; Replaced by E1870*
**E463-09** Test Method for Determination of Silica in Fluorspar by Silico-Molybdate Visible Spectrometry, **03.05**
*E464 Withdrawn 1986; Method of Test for Aluminum Oxide in Iron Ores*
**E465-11** Test Methods for Determination of Manganese (IV) in Manganese Ores by Redox Titrimetry, **03.05**
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**E467-08$^{\epsilon 1}$** Practice for Verification of Constant Amplitude Dynamic Forces in an Axial Fatigue Testing System, **03.01**
**E468-11** Practice for Presentation of Constant Amplitude Fatigue Test Results for Metallic Materials, **03.01**
*E469 Withdrawn 1982; Measuring Heat Flux Using a Multiple-Wafer Calorimeter*
*E470 Withdrawn 1982; Measuring Gas Enthalpy Using Calorimeter Probes*
**E471-96(2011)** Test Method for Obtaining Char Density Profile of Ablative Materials by Machining and Weighing, **15.03**
*E472 Withdrawn 1995; Practice for Reporting Thermoanalytical Data*
**E473-11a** Terminology Relating to Thermal Analysis and Rheology, **14.02**
*E474 Withdrawn 1986; Method for Evaluation of Temperature Scale for Differential Thermal Analysis*
**E475-10** Test Method for Assay of Di-*tert*-Butyl Peroxide Using Gas Chromatography, **15.05**
*E476 Withdrawn 2008; Test Method for Thermal Instability of Confined Condensed Phase Systems (Confinement Test)*
**E477-13** Test Method for Laboratory Measurements of Acoustical and Airflow Performance of Duct Liner Materials and Prefabricated Silencers, **04.06**
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**E492-09** Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine, **04.06**
**E493/E493M-11** Practice for Leaks Using the Mass Spectrometer Leak Detector in the Inside-Out Testing Mode, **03.03**
**E494-10** Practice for Measuring Ultrasonic Velocity in Materials, **03.03**
*E495 Withdrawn 1991; Test Method for Fission Zirconium in Irradiated Nuclear Fuels by Spectrophotometry*
**E496-14$^{\epsilon 1}$** Test Method for Measuring Neutron Fluence and Average Energy from, **12.02**
*E497 Withdrawn 2008; Practice for Installing Sound-Isolating Lightweight Partitions*
**E498/E498M-11** Practice for Leaks Using the Mass Spectrometer Leak Detector or Residual Gas Analyzer in the Tracer Probe Mode, **03.03**
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*E500 Withdrawn 1991; Terminology Relating to Ultrasonic Examination; Replaced by E1316*
**E501-08** Specification for Standard Rib Tire for Pavement Skid-Resistance Tests, **04.03**
**E502-07(2013)** Test Method for Selection and Use of ASTM Standards for the Determination of Flash Point of Chemicals by Closed Cup Methods, **14.02**
*E503/E503M Withdrawn 2010; Test Methods for Measurement of Skid Resistance on Paved Surfaces Using a Passenger Vehicle Diagonal Braking Technique*
*E504 Withdrawn 1998; Practice for Selection of Electrode Material Used in Optical Emission Spectroscopy Based on Physical Properties*
**E505-01(2011)** Reference Radiographs for Inspection of Aluminum and Magnesium Die Castings, **03.03**
**E506-08** Test Method for Mercury in Liquid Chlorine, **15.05**
**E507-13** Test Method for Determination of Aluminum in Iron Ores by Flame Atomic Absorption Spectrometry, **03.05**
**E508-13** Test Method for Determination of Calcium and Magnesium in Iron Ores by Flame Atomic Absorption Spectrometry, **03.05**
**E509/E509M-14** Guide for In-Service Annealing of Light-Water Moderated Nuclear Reactor Vessels, **12.02**
*E510 Withdrawn 1985; Recommended Practice for Determining Pavement Surface Frictional and Polishing Characteristics Using a Small Torque Device*
**E511-07** Test Method for Measuring Heat Flux Using a Copper-Constantan Circular Foil, Heat-Flux Transducer, **15.03**
**E512-94(2010)** Practice for Combined, Simulated Space Environment Testing of Thermal Control Materials with Electromagnetic and Particulate Radiation, **15.03**
*E513 Withdrawn 1988; Definitions of Terms Relating to Constant-Amplitude, Low-Cycle Fatigue Testing; Replaced by E1150*
**E514/E514M-14** Test Method for Water Penetration and Leakage Through Masonry, **04.05**
**E515-11** Practice for Leaks Using Bubble Emission Techniques, **03.03**
**E516-95a(2013)** Practice for Testing Thermal Conductivity Detectors Used in Gas Chromatography, **03.06**
**E517-00(2010)** Test Method for Plastic Strain Ratio, **03.01**
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**E519/E519M-10** Test Method for Diagonal Tension (Shear) in Masonry Assemblages, **04.05**
**E520-08** Practice for Describing Photomultiplier Detectors in Emission and Absorption Spectrometry, **03.05**
**E521-96(2009)$^{\epsilon 1}$** Practice for Neutron Radiation Damage Simulation by Charged-Particle Irradiation, **12.02**
*E522 Withdrawn 1984; Method for Calibration of Germanium Detectors for Measurement of Gamma-Ray Emission Rates of Radionuclides; Replaced by E181*
**E523-11** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Copper, **12.02**
**E524-08** Specification for Standard Smooth Tire for Pavement Skid-Resistance Tests, **04.03**
*E525 Withdrawn 2001; Practice for Reporting Dosimetry Results on Nuclear Graphite*
**E526-08(2013)** Test Method for Measuring Fast-Neutron Reaction Rates by Radioactivation of Titanium, **12.02**
**E527-12** Practice for Numbering Metals and Alloys in the Unified Numbering System (UNS), **01.01**
*E528 Withdrawn 1998; Practices for Grounding Basic Optical Emission Spectrochemical Equipment*
**E529-04(2011)** Guide for Conducting Flexural Tests on Beams and Girders for Building Construction, **04.11**
*E530 Not Assigned*
**E531-13** Practice for Surveillance Testing of High-Temperature Nuclear Component Materials, **12.02**
*E532 Not Assigned*
*E533 Withdrawn 2003; Test Method for Trace Amounts of Arsenic in Inorganic Industrial Chemicals*
**E534-13** Test Methods for Chemical Analysis of Sodium Chloride, **15.05**
**E535-14** Practice for Preparation of Fire-Test-Response Standards, **04.07**
**E536-08** Test Methods for Chemical Analysis of Zinc and Zinc Alloys, **03.05**
**E537-12** Test Method for The Thermal Stability of Chemicals by Differential Scanning Calorimetry, **14.02**
**E538-98(2008)** Test Methods for Mercury in Caustic Soda (Sodium Hydroxide) and Caustic Potash (Potassium Hydroxide), **15.05**
**E539-11** Test Method for Analysis of Titanium Alloys by X-Ray Fluorescence Spectrometry, **03.05**
*E540 Withdrawn 1980; Definitions of Terms Relating to Building Construction; Combined with E 631*
**E541-10** Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building, **14.02**
**E542-01(2012)** Practice for Calibration of Laboratory Volumetric Apparatus, **14.04**
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**E544-10** Practices for Referencing Suprathreshold Odor Intensity, **15.08**
**E545-14** Test Method for Determining Image Quality in Direct Thermal Neutron Radiographic Examination, **03.03**
**E546-08** Test Method for Frost/Dew Point of Sealed Insulating Glass Units, **04.11**
**E547-00(2009)** Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference, **04.11**
*E548 Withdrawn 2003; Guide for General Criteria Used for Evaluating Laboratory Competence*
**E549-87(2008)** Guide for Preparing Field Sprayer Calibration Procedures, **11.05**
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*E551 Withdrawn 2000; Test Methods for Developing Effective Bird Control Chemicals*
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**E556/E556M-11** Test Method for Calibrating a Wheel Force or Torque Transducer Using a Calibration Platform (User Level), **04.03**
**E557-12** Guide for Architectural Design and Installation Practices for Sound Isolation between Spaces Separated by Operable Partitions, **04.06**
*E558 Redesignated A938*
*E559 Withdrawn 1978; Recommended Practice for Classifying Pavement Surface Textures, Suitable for Skid-Resistance Photo-Interpretation*
*E560 Withdrawn 2009; Practice for Extrapolating Reactor Vessel Surveillance Dosimetry Results, E 706(IC)*
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**E563-11** Practice for Preparation and Use of an Ice-Point Bath as a Reference Temperature, **14.03**
**E564-06(2012)** Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings, **04.11**
*E565 Withdrawn 2000; Test Method for Efficacy of a Single-Dose Acute Rodenticide Under Laboratory Conditions for Commensal Rodents*
**E566-14** Practice for Electromagnetic (Eddy Current) Sorting of Ferrous Metals, **03.03**
*E567 Withdrawn 1996; Test Method for Tertiary Hydroxyl Groups With Hydrogen Bromide*
*E568 Withdrawn 1981; Methods for Chemical Analysis of Magnesium Ferrosilicon; Replaced by E372*
**E569/E569M-13** Practice for Acoustic Emission Monitoring of Structures During Controlled Stimulation, **03.03**
**E570-09** Practice for Flux Leakage Examination of Ferromagnetic Steel Tubular Products, **03.03**
**E571-12** Practice for Electromagnetic (Eddy-Current) Examination of Nickel and Nickel Alloy Tubular Products, **03.03**
**E572-13** Test Method for Analysis of Stainless and Alloy Steels by Wavelength Dispersive X-Ray Fluorescence Spectrometry, **03.05**
**E573-01(2013)** Practices for Internal Reflection Spectroscopy, **03.06**
**E574-13** Specification for Duplex, Base Metal Thermocouple Wire With Glass Fiber or Silica Fiber Insulation, **14.03**
**E575-05(2011)** Practice for Reporting Data from Structural Tests of Building Constructions, Elements, Connections, and Assemblies, **04.11**
**E576-08** Test Method for Frost/Dew Point of Sealed Insulating Glass Units in the Vertical Position, **04.11**
*E577 Withdrawn 2011; Guide for Dimensional Coordination of Rectilinear Building Parts and Systems*
**E578-07(2013)** Test Method for Linearity of Fluorescence Measuring Systems, **03.06**
**E579-04(2009)** Test Method for Limit of Detection of Fluorescence of Quinine Sulfate in Solution, **03.06**
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**E581-10** Test Methods for Chemical Analysis of Manganese-Copper Alloys, **03.05**

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**E585/E585M-12** Specification for Compacted Mineral-Insulated, Metal-Sheathed, Base Metal Thermocouple Cable, **14.03**
*E586 Withdrawn 1991; Terminology Relating to Industrial Radiology; Replaced by E1316*
**E587-10** Practice for Ultrasonic Angle-Beam Contact Testing, **03.03**
**E588-03(2009)** Practice for Detection of Large Inclusions in Bearing Quality Steel by the Ultrasonic Method, **01.05**
*E589 Withdrawn 2000; Guide for Use and Development of PA-14 Avian Stressing Agent*
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*E591 Withdrawn 1991; Practice for Safety and Health Requirements Relating to Occupational Exposure to Ozone*
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*E593 Withdrawn 2000; Test Method for Efficacy of a Multiple-Dose Rodenticide Under Laboratory Conditions*
**E594-96(2011)** Practice for Testing Flame Ionization Detectors Used in Gas or Supercritical Fluid Chromatography, **03.06**
**E595-07** Test Method for Total Mass Loss and Collected Volatile Condensable Materials from Outgassing in a Vacuum Environment, **15.03**
**E596-96(2009)** Test Method for Laboratory Measurement of Noise Reduction of Sound-Isolating Enclosures, **04.06**
*E597 Withdrawn 1999; Practice for Determining A Single-Number Rating of Airborne Sound Isolation for Use in Multiunit Building Specifications*
**E598-08** Test Method for Measuring Extreme Heat-Transfer Rates from High-Energy Environments Using a Transient, Null-Point Calorimeter, **15.03**
*E599 Withdrawn 1997; Test Method for Efficacy of Slimicides for the Paper Industry—Fungal Slime; Replaced by E1839*
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*E602 Withdrawn 2010; Test Method for Sharp-Notch Tension Testing with Cylindrical Specimens*
**E603-13** Guide for Room Fire Experiments, **04.07**
**E604-83(2008)** Test Method for Dynamic Tear Testing of Metallic Materials, **03.01**
**E605-93(2011)** Test Methods for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members, **04.11**
**E606/E606M-12** Test Method for Strain-Controlled Fatigue Testing, **03.01**
*E607 Withdrawn 2011; Test Method for Atomic Emission Spectrometric Analysis Aluminum Alloys by the Point to Plane Technique Nitrogen Atmosphere*
**E608/E608M-13** Specification for Mineral-Insulated, Metal-Sheathed Base Metal Thermocouples, **14.03**
**E609-10** Terminology Relating to Pesticides, **11.05**
*E610 Withdrawn 1991; Terminology Relating to Acoustic Emission; Replaced by E1316*
**E611-08** Test Methods for Low Concentrations of Diethlyene Glycol in Ethylene Glycol by Gas Chromatography, **15.05**
*E612 Withdrawn 1997; Guide for Field Evaluation of Nematode Control Agents—Site Selection Procedures*
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**E617-13** Specification for Laboratory Weights and Precision Mass Standards, **14.04**
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**E619-09** Practice for Evaluating Foreign Odors in Paper Packaging, **15.08**
**E620-11** Practice for Reporting Opinions of Scientific or Technical Experts, **14.02**
*E621 Withdrawn 2008; Practice for Use of Metric (SI) Units in Building Design and Construction(Committee E06 Supplement to E380)*
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**E879-12** Specification for Thermistor Sensors for General Purpose and Laboratory Temperature Measurements, **14.03**
*E880 Withdrawn 1997; Guide for Evaluating the Usefulness of Herbicides on Corn (All Types)*
**E881-92(2009)** Practice for Exposure of Solar Collector Cover Materials to Natural Weathering Under Conditions Simulating Stagnation Mode, **12.02**
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**E883-11** Guide for Reflected-Light Photomicrography, **03.01**
**E884-82(2012)** Practice for Sampling Airborne Microorganisms at Municipal Solid-Waste Processing Facilities, **11.04**
*E885 Withdrawn 2009; Test Methods for Analyses of Metals in Refuse-Derived Fuel by Atomic Absorption Spectroscopy*
*E886 Withdrawn 2003; Practices for Dissolution of Refuse-Derived Fuel (RDF) Ash Samples for Analyses of Metals*
**E887-88(2009)** Test Method for Silica in Refuse-Derived Fuel (RDF) and RDF Ash, **11.04**
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**E890-94(2009)** Specification for Disposable Glass Culture Tubes, **14.04**
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**E894-88(2010)** Test Method for Anchorage of Permanent Metal Railing Systems and Rails for Buildings, **04.11**
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*E897 Withdrawn 2011; Test Method for Volatile Matter in the Analysis Sample of Refuse-Derived Fuel*
**E898-88(2013)** Test Method of Testing Top-Loading, Direct-Reading Laboratory Scales and Balances, **14.04**
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**E900-02(2007)** Guide for Predicting Radiation-Induced Transition Temperature Shift in Reactor Vessel Materials, E706 (IIF), **12.02**
*E901 Withdrawn 2001; Classification System for Uranium Resources*
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**E903-12** Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres, **12.02**
*E904 Withdrawn 2013; Practice for Generating All-Day Thermal Performance Data for Solar Collectors*
**E905-87(2013)** Test Method for Determining Thermal Performance of Tracking Concentrating Solar Collectors, **12.02**
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*E907 Withdrawn 2013; Test Method for Field Testing Uplift Resistance of Adhered Membrane Roofing Systems*
**E908-98(2012)** Practice for Calibrating Gaseous Reference Leaks, **03.03**
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**E911-98(2009)** Specification for Glass Stopcocks with Polytetrafluoroethylene (PTFE) Plugs, **14.04**
*E912 Withdrawn 1988; Definitions of Terms Relating to Fatigue Loading; Replaced by E1150*
*E913 Withdrawn 2005; Method for Calibration of Reference Pyranometers with Axis Vertical by the Shading Method; Replaced by G167*
*E914 Withdrawn 1994; Practice for Evaluating Temperature Scale for Thermogravimetry; Replaced by E1582*
**E915-10** Test Method for Verifying the Alignment of X-Ray Diffraction Instrumentation for Residual Stress Measurement, **03.01**
*E916 Withdrawn 2000; Guide for Reporting Employee Health History Information and Core Physical Examination Results*
**E917-13** Practice for Measuring Life-Cycle Costs of Buildings and Building Systems, **04.11**
**E918-83(2011)** Practice for Determining Limits of Flammability of Chemicals at Elevated Temperature and Pressure, **14.02**
*E919 Withdrawn 2000; Specification for Software Documentation for a Computerized System*
**E920-97(2013)** Specification for Commercially Packaged Laboratory Apparatus, **14.04**
**E921-97(2010)** Specification for Export Packaged Laboratory Apparatus, **14.04**
*E922 Not Assigned*
**E923-97(2013)** Specification for Glass Westergren Tube, Reusable, **14.04**
*E924 Withdrawn 2003; Guide for Quality Assurance of Laboratories Using Molecular Spectroscopy*
**E925-09(2014)** Practice for Monitoring the Calibration of Ultraviolet-Visible Spectrophotometers whose Spectral Bandwidth does not Exceed 2 nm, **03.06**
*E926 Withdrawn 2003; Practice for Preparing Refuse-Derived Fuel (RDF) Samples for Analyses of Metals*
**E927-10** Specification for Solar Simulation for Photovoltaic Testing, **12.02**
**E928-08** Test Method for Purity by Differential Scanning Calorimetry, **14.02**
*E929 Withdrawn 2014; Test Method for Measuring Electrical Energy Requirements of Processing Equipment*
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*E931 Withdrawn 1996; Practice for Classification of Occupancies for Their Relative Fire Hazard*
**E932-89(2013)** Practice for Describing and Measuring Performance of Dispersive Infrared Spectrometers, **03.06**
*E933 Not Assigned*
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**E935-13$^{\epsilon 1}$** Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings, **04.11**
*E936 Withdrawn 2012; Practice for Roof System Assemblies Employing Steel Deck, Preformed Roof Insulation, and Bituminous Built-Up Roofing*
**E937-93(2011)** Test Method for Corrosion of Steel by Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members, **04.11**
**E938/E938M-12** Test Method for Effectiveness of Liquid, Gel, Cream, or Shampoo Insecticides Against Adult Human Lice, **11.05**
**E939-94(2012)** Test Method of Field Testing Topical Applications of Compounds as Repellents for Medically Important and Pest Arthropods (Including Insects, Ticks, and Mites):I Mosquitoes, **11.05**
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**E943-08** Terminology Relating to Biological Effects and Environmental Fate, **11.06**
**E944-13** Guide for Application of Neutron Spectrum Adjustment Methods in Reactor Surveillance, E706 (IIA), **12.02**
**E945-12** Test Method for Determination of Zinc in Zinc Ores and Concentrates by EDTA Complexometric Titrimetry, **03.05**
*E946 Withdrawn 1996; Test Method for Water Absorption of Bentonite by the Porous Plate Method*
**E947-83(2007)** Specification for Sampling Single-Phase Geothermal Liquid or Steam for Purposes of Chemical Analysis, **12.02**
**E948-09** Test Method for Electrical Performance of Photovoltaic Cells Using Reference Cells Under Simulated Sunlight, **12.02**
*E949 Withdrawn 2011; Test Method for Total Moisture in a Refuse-Derived Fuel Laboratory Sample*
**E950/E950M-09** Test Method for Measuring the Longitudinal Profile of Traveled Surfaces with an Accelerometer Established Inertial Profiling Reference, **04.03**
**E951-94(2006)** Test Methods for Laboratory Testing of Non-Commercial Mosquito Repellent Formulations On the Skin, **11.05**
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*E954 Withdrawn 2003; Practice for Packaging and Shipping of Laboratory Samples of Refuse-Derived Fuel*
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**E958-13** Practice for Estimation of the Spectral Bandwidth of Ultraviolet-Visible Spectrophotometers, **03.06**
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**E960-93(2013)** Specification for Laboratory Glass Beakers, **14.04**
**E961-97(2013)** Specification for Blood Sedimentation Tube, Wintrobe, Glass, Reusable, **14.04**
*E962 Not Assigned*
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**E964-06(2010)** Practice for Measuring Benefit-to-Cost and Savings-to-Investment Ratios for Buildings and Building Systems, **04.11**
**E965-96(2006)** Test Method for Measuring Pavement Macrotexture Depth Using a Volumetric Technique, **04.03**
**E966-10$^{\epsilon 1}$** Guide for Field Measurements of Airborne Sound Attenuation of Building Facades and Facade Elements, **04.06**
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**E968-02(2014)** Practice for Heat Flow Calibration of Differential Scanning Calorimeters, **14.02**
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**E970-14** Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source, **04.07**
**E971-11** Practice for Calculation of Photometric Transmittance and Reflectance of Materials to Solar Radiation, **12.02**
**E972-96(2013)** Test Method for Solar Photometric Transmittance of Sheet Materials Using Sunlight, **12.02**
**E973-10** Test Method for Determination of the Spectral Mismatch Parameter Between a Photovoltaic Device and a Photovoltaic Reference Cell, **12.02**
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**E975-13** Practice for X-Ray Determination of Retained Austenite in Steel with Near Random Crystallographic Orientation, **03.01**
**E976-10** Guide for Determining the Reproducibility of Acoustic Emission Sensor Response, **03.03**
**E977-05(2014)** Practice for Thermoelectric Sorting of Electrically Conductive Materials, **03.03**
*E978 Withdrawn 2003; Practice for Evaluating Mathematical Models for the Environmental Fate of Chemicals*
**E979-09** Practice for Evaluation of Antimicrobial Agents as Preservatives for Invert Emulsion and Other Water Containing Hydraulic Fluids, **11.05**
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**E983-10** Guide for Minimizing Unwanted Electron Beam Effects in Auger Electron Spectroscopy, **03.06**
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**E989-06(2012)** Classification for Determination of Impact Insulation Class (IIC), **04.06**
**E990-13** Specification for Core-Splice Adhesive for Honeycomb Sandwich Structural Panels, **04.11**
**E991-11** Practice for Color Measurement of Fluorescent Specimens Using the One-Monochromator Method, **06.01**
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*E994 Withdrawn 2004; Guide for Calibration and Testing Laboratory Accreditation Systems General Requirements for Operation and Recognition*
**E995-11** Guide for Background Subtraction Techniques in Auger Electron Spectroscopy and X-Ray Photoelectron Spectroscopy, **03.06**
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**E997-14** Test Method for Evaluating Glass Breakage Probability Under the Influence of Uniform Static Loads by Proof Load Testing, **04.11**
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**E999-10** Guide for Controlling the Quality of Industrial Radiographic Film Processing, **03.03**
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**E1007-13b** Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures, **04.06**
**E1008-03(2009)** Practice for Installation, Inspection, and Maintenance of Valve-body Pressure-relief Methods for Geothermal and Other High-Temperature Liquid Applications, **12.02**
**E1009-95(2006)** Practice for Evaluating an Optical Emission Vacuum Spectrometer to Analyze Carbon and Low-Alloy Steel, **03.05**
**E1010-09** Practice for Preparation of Disk Specimens of Steel and Iron for Spectrochemical Analysis by Remelting, **03.05**
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**E1012-12$^{\epsilon 1}$** Practice for Verification of Testing Frame and Specimen Alignment Under Tensile and Compressive Axial Force Application, **03.01**
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**E1014-12** Guide for Measurement of Outdoor A-Weighted Sound Levels, **04.06**
*E1015 Withdrawn 1994; Practice for Reporting Spectra in X-Ray Photoelectron Spectroscopy*
**E1016-07(2012)$^{\epsilon 1}$** Guide for Literature Describing Properties of Electrostatic Electron Spectrometers, **03.06**
*E1017 Withdrawn 2003; Specification for Generic Performance Requirements for Exterior Residential Window Assemblies*
**E1018-09(2013)** Guide for Application of ASTM Evaluated Cross Section Data File, Matrix E706 (IIB), **12.02**
**E1019-11** Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Fusion Techniques, **03.05**
**E1020-13$^{\epsilon 1}$** Practice for Reporting Incidents that May Involve Criminal or Civil Litigation, **14.02**
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**E1022-94(2013)** Guide for Conducting Bioconcentration Tests with Fishes and Saltwater Bivalve Mollusks, **11.06**
**E1023-84(2007)** Guide for Assessing the Hazard of a Material to Aquatic Organisms and Their Uses, **11.06**
*E1024 Withdrawn 2004; Guide for Chemical Analysis of Metals and Metal Bearing Ores by Flame Atomic Absorption Spectrophotometry*
**E1025-11** Practice for Design, Manufacture, and Material Grouping Classification of Hole-Type Image Quality Indicators (IQI) Used for Radiology, **03.03**
**E1026-13** Practice for Using the Fricke Dosimetry System, **12.02**
*E1027 Withdrawn 1996; Practice for Exposure of Polymeric Materials to Ionizing Radiation*
*E1028 Withdrawn 2003; Test Method for Total Iron in Iron Ores and Related Materials by Dichromate Titrimetry*
*E1029 Withdrawn 2003; Guide for Documentation of Clinical Laboratory Computer Systems*
**E1030-05(2011)** Test Method for Radiographic Examination of Metallic Castings, **03.03**
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**E1032-12** Test Method for Radiographic Examination of Weldments, **03.03**
**E1033-13** Practice for Electromagnetic (Eddy Current) Examination of Type, **03.03**
**E1034-95(2013)** Specification for Nuclear Facility Transient Worker Records, **12.02**
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**E1036-12** Test Methods for Electrical Performance of Nonconcentrator Terrestrial Photovoltaic Modules and Arrays Using Reference Cells, **12.02**
**E1037-84(2009)** Test Method for Measuring Particle Size Distribution of RDF-5, **11.04**
**E1038-10** Test Method for Determining Resistance of Photovoltaic Modules to Hail by Impact with Propelled Ice Balls, **12.02**
*E1039 Withdrawn 2004; Test Method for Calibration of Silicon Non-Concentrator Photovoltaic Primary Reference Cells Under Global Irradiation*
**E1040-10** Specification for Physical Characteristics of Nonconcentrator Terrestrial Photovoltaic Reference Cells, **12.02**
*E1041 Withdrawn 2002; Guide for Measurement of Masking Sound in Open Offices*
**E1042-02(2014)** Classification for Acoustically Absorptive Materials Applied by Trowel or Spray, **04.06**
**E1043-00(2010)** Specification for Pipets, Milk and Cream Examination, **14.04**
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**E1046-85(2010)** Specification for Glass Westergren Tube, Disposable, **14.04**
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**E1050-12** Test Method for Impedance and Absorption of Acoustical Materials Using a Tube, Two Microphones and a Digital Frequency Analysis System, **04.06**
*E1051 Withdrawn 1997; Guidelines for Evaluating the Usefulness of Herbicides on Potato*
**E1052-11** Test Method to Assess the Activity of Microbicides against Viruses in Suspension, **11.05**
**E1053-11** Test Method to Assess Virucidal Activity of Chemicals Intended for Disinfection of Inanimate, Nonporous Environmental Surfaces, **11.05**
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*E1058 Withdrawn 2010; Practice for Toxic Contamination of the Environment in the Operator Enclosure of Self-Propelled Agriculture Vehicles*
*E1059 Withdrawn 2013; Practice for Designating Shapes and Sizes of Nongraphite Counter Electrodes*
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**E1061-01(2007)** Specification for Direct-Reading Liquid Crystal Forehead Thermometers, **13.01**
*E1062 Withdrawn 2000; Practice for Conducting Reproductive Studies with Avian Species*
*E1063 Withdrawn 1998; Test Method for X-Ray Emission Spectrometric Determination of Cerium and Lanthanum in Carbon and Low-Alloy Steels*
**E1064-12** Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration, **15.05**
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**E1068-85(2009)** Test Method for Testing Nonmetallic Seal Materials by Immersion in a Simulated Geothermal Test Fluid, **12.02**
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**E1070-11** Test Method for Determination of Phosphorus in Iron Ores by Phospho-Molybdenum-Blue Spectrophotometry, **03.05**
*E1071 Withdrawn 1996; Test Method for Determination of Reducibility of Iron Ores*
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*E1073 Withdrawn 2010; Test Method for Obtaining a Pharmacological Profile with Mice*
**E1074-09** Practice for Measuring Net Benefits and Net Savings for Investments in Buildings and Building Systems, **04.11**
*E1075 Withdrawn 2011; Test Methods for Odor of Ethylene Glycol, Diethylene Glycol, Triethylene Glycol, Propylene Glycol, and Dipropylene Glycol and Taste of Propylene Glycol*
*E1076 Withdrawn 2010; Practice for Maintaining Health and Safety Records at Solid Waste Processing Facilities*
**E1077-14** Test Methods for Estimating the Depth of Decarburization of Steel Specimens, **03.01**
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*E1080 Withdrawn 1995; Practice for Static Load Testing of Wood-Framed Truss Assemblies*
*E1081 Withdrawn 2002; Test Method for Determination of Total Iron in Iron Ores and Related Materials by Silver Reduction-Dichromate Titration; Replaced by E246*
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**E1083-00(2011)** Test Method for Sensory Evaluation of Red Pepper Heat, **15.08**
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*E1088 Withdrawn 1997; Definitions of Terms Relating to Atomizing Devices; Replaced by E1620*
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**E1090-08** Test Method for Dicumyl Peroxide and Dicumyl Peroxide Decomposition Products in Resins, **15.05**
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*E1098 Withdrawn 2001; Specification for Liquid Caustic Soda (Sodium Hydroxide Solution)*
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*E1103 Withdrawn 2010; Test Method for Determining Subchronic Dermal Toxicity*
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*E1113 Withdrawn 1994; Guide for Project Definition for Computerized Systems; Replaced by E622*
**E1114-09$^{\epsilon 1}$** Test Method for Determining the Size of Iridium-192 Industrial Radiographic Sources, **03.03**
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*E1117 Withdrawn 2009; Practice for Design of Fuel-Alcohol Manufacturing Facilities*
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*E1122 Withdrawn 2006; Practice for Obtaining JK Inclusion Ratings Using Automatic Image Analysis; Replaced by E45*
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*E1126 Withdrawn 2003; Terminology Relating to Biomass Fuels*
**E1127-08** Guide for Depth Profiling in Auger Electron Spectroscopy, **03.06**
*E1128 Withdrawn 1993; Practice for Establishing Parameters for Testing Dynamic Seals for Geothermal Use*
**E1129/E1129M-08$^{\epsilon 1}$** Specification for Thermocouple Connectors, **14.03**
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**E2137-06(2011)** Guide for Estimating Monetary Costs and Liabilities for Environmental Matters, **11.05**

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**E2141-12** Test Methods for Assessing the Durability of Absorptive Electrochromic Coatings on Sealed Insulating Glass Units, **04.12**

**E2142-08** Test Methods for Rating and Classifying Inclusions in Steel Using the Scanning Electron Microscope, **03.01**

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**E2145-07(2013)** Practice for Information Modeling, **14.01**

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**E2149-13a** Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions, **11.05**

**E2150-13** Classification for Life-Cycle Environmental Work Elements—Environmental Cost Element Structure, **04.12**

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**E2152-12** Practice for Computing the Colors of Fluorescent Objects from Bispectral Photometric Data, **06.01**

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**E2154-01(2008)** Practice for Separation and Concentration of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Solid Phase Microextraction (SPME), **14.02**

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**E2157-09** Test Method for Measuring Pavement Macrotexture Properties Using the Circular Track Meter, **04.03**

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**E2160-04(2012)** Test Method for Heat of Reaction of Thermally Reactive Materials by Differential Scanning Calorimetry, **14.02**

**E2161-13** Terminology Relating to Performance Validation in Thermal Analysis, **14.02**

**E2162-07** Guide for Minimum Continuing Education of Individuals Involved in Psychophysiological Detection of Deception (PDD) Testing of Sex Offenders, **14.02**

**E2163-06(2014)** Guide for Minimum Training Requirements for Examiners Conducting Psychophysiological Detection of Deception (PDD) Testing of Sex Offenders in Treatment, Probation or Other Similar Programs, **14.02**

**E2164-08** Test Method for Directional Difference Test, **15.08**

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**E2166-12** Practice for Organizing and Managing Building Data, **04.12**

**E2167-01(2008)** Guide for Selection and Use of Stone Consolidants, **04.12**

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**E2169-12** Practice for Selecting Antimicrobial Pesticides for Use in Water-Miscible Metalworking Fluids, **11.03**

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**E2181/E2181M-11** Specification for Compacted Mineral-Insulated, Metal-Sheathed, Noble Metal Thermocouples and Thermocouple Cable, **14.03**

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**E2189-10$^{\epsilon 1}$** Test Method for Testing Resistance to Fogging in Insulating Glass Units, **04.12**

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**E2192-13** Guide for Planar Flaw Height Sizing by Ultrasonics, **03.03**

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**E2194-12** Practice for Multiangle Color Measurement of Metal Flake Pigmented Materials, **06.01**

**E2195-09** Terminology Relating to Examination of Questioned Documents, **14.02**

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**E2207-08(2013)ε1** Practice for Strain-Controlled Axial-Torsional Fatigue Testing with Thin-Walled Tubular Specimens, **03.01**

**E2208-02(2010)ε1** Guide for Evaluating Non-Contacting Optical Strain Measurement Systems, **03.01**

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**E2218-02(2008)** Test Method for Determining Forming Limit Curves, **03.01**

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**E2224-10** Guide for Forensic Analysis of Fibers by Infrared Spectroscopy, **14.02**

**E2225-10** Guide for Forensic Examination of Fabrics and Cordage, **14.02**

**E2226-12** Practice for Application of Hose Stream, **04.07**

**E2227-13** Guide for Forensic Examination of Non-Reactive Dyes in Textile Fibers by Thin-Layer Chromatography, **14.02**

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**E2238-12** Guide for Evacuation Route Diagrams, **11.03**

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**E2240-06** Test Method for Assessing the Current-Voltage Cycling Stability at 90°C (194°F) of Absorptive Electrochromic Coatings on Sealed Insulating Glass Units, **04.12**

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**E2242-13** Test Method for Column Percolation Extraction of Mine Rock by the Meteoric Water Mobility Procedure, **03.05**

**E2243-13** Guide for Use of Coal Combustion Products (CCPs) for Surface Mine Reclamation: Re-contouring and Highwall Reclamation, **11.05**

**E2244-11ε1** Test Method for In-Plane Length Measurements of Thin, Reflecting Films Using an Optical Interferometer, **03.01**

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**E2247-08** Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property, **11.05**

**E2248-13** Test Method for Impact Testing of Miniaturized Charpy V-Notch Specimens, **03.01**

**E2249-02(2008)** Test Method for Laboratory Measurement of Airborne Transmission Loss of Building Partitions and Elements Using Sound Intensity, **04.06**

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**E2251-11** Specification for Liquid-in-Glass ASTM Thermometers with Low-Hazard Precision Liquids, **14.03**

**E2252-12** Practice for Selection of Lead Hazard Reduction Methods for Identified Risks in Residential Housing or Child Occupied Facilities, **04.12**

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**E2255/E2255M-13** Practice for Conducting Visual Assessments for Lead Hazards in Buildings, **04.12**

**E2256-13** Guide for Hydraulic Integrity of New, Repaired, or Reconstructed Aboveground Storage Tank Bottoms for Petroleum Service, **11.05**

**E2257-13a** Test Method for Room Fire Test of Wall and Ceiling Materials and Assemblies, **04.07**

**E2259-03a(2011)** Guide for Archiving and Retrieving Intelligent Transportation Systems-Generated Data, **04.03**

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**E2263-12** Test Method for Paired Preference Test, **15.08**

**E2264-05(2013)** Practice for Determining the Effects of Temperature Cycling on Fenestration Products, **04.12**

**E2265-09** Terminology for Anchors and Fasteners in Concrete and Masonry, **04.12**

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**E2267-04(2013)** Guide for Specifying and Evaluating Performance of Single Family Attached and Detached Dwellings—Indoor Air Quality, **04.12**

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**E2270-13** Practice for Periodic Inspection of Building Facades for Unsafe Conditions, **04.12**

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**E2935-13** Practice for Conducting Equivalence Testing in Laboratory Applications, **14.02**
**E2936-13** Guide for Contractor Self Assessment for U.S. Government Property Management Systems, **04.12**
**E2937-13** Guide for Using Infrared Spectroscopy in Forensic Paint Examinations, **14.02**
**E2939-13** Practice for Determining Reporting Conditions and Expected Capacity for Photovoltaic Non-Concentrator Systems, **12.02**
**E2941-13** Practice for Nitric Acid-Extraction of Elements from Ores and Related Metallurgical Materials by Closed Vessel Microwave Heating, **03.05**
**E2943-14** Guide for Two-Sample Acceptance and Preference Testing with Consumers, **15.08**

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**E2945-14** Test Method for Film Permeability Determination Using Static Permeability Cells, **11.05**
**E2946-13** Test Method for Determining the Bacteria-Reducing Effectiveness of Food-Handler Handwash Formulations Using Hands of Adults, **11.05**
**E2948-14** Test Method for Conducting Rotating Bending Fatigue Tests of Solid Round Fine Wire, **03.01**
**E2950-14** Specification for Metal Canopy Systems, **15.08**
**E2951-13** Guide for Community Emergency Preparedness for Persons with Disabilities, **15.08**
**E2952-14** Specification for Air-Purifying Respiratory Protective Smoke Escape Devices (RPED), **15.08**
**E2955-13** Practice for Simulating Profilograph Response to Longitudinal Profiles of Traveled Surfaces, **04.03**
**E2956-14** Guide for Monitoring the Neutron Exposure of LWR Reactor Pressure Vessels, **12.02**
**E2958-14** Test Methods for Kinetic Parameters by Factor Jump/Modulated Thermogravimetry, **14.02**
**E2962-14** Guide for Fleet Management, **04.12**
**E2964-14** Test Method for Measurement of the Normalized Insertion Loss of Doors, **04.06**
**E2966-14** Test Method for Quantitative Assessment of Sanitizing Solutions for Carpet, **11.05**
**E2971-14** Test Method for Determination of Effective Boron-10 Areal Density in Aluminum Neutron Absorbers using Neutron Attenuation Measurements, **03.03**
**E2977-14** Practice for Measuring and Reporting Performance of Fourier-Transform Nuclear Magnetic Resonance (FT-NMR) Spectrometers for Liquid Samples, **03.06**

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# ES. EMERGENCY STANDARDS

*ES1 Withdrawn 1977; Emergency Standard Specification for Automotive Gasoline*

*ES2 Withdrawn 1977; Emergency Standard Specification for Aviation Turbine Fuels; Replaced by D1655*

*ES3 Withdrawn 1977; Emergency Standard Specification for Roof and Rock Bolts and Accessories; Replaced by F432*

*ES4 Withdrawn 1979; Emergency Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing and Other Applications for Low-Temperature Service; Replaced by A757/A757M*

*ES5 Withdrawn 1982; Emergency Standard Specification for Automotive Gasoline*

*ES6 Withdrawn 1988; Emergency Standard Practice for Labeling Ceramic Art Materials for Chronic Adverse Health Hazards; Replaced by C1023*

*ES7 Withdrawn 1988; Emergency Standard Test Method for Electromagnetic Shielding Effectiveness of Planar Materials; Replaced by D4935*

*ES8 Withdrawn 1988; Emergency Standard Specification for Portable Kerosine Containers for Consumer Use; Replaced by F976*

*ES9 Withdrawn 1988; Emergency Standard Practice for Cautionary Labeling of Portable Kerosine Containers for Consumer Use; Replaced by F926*

*ES10 Withdrawn 1988; Emergency Standard Method for 24-h Batch-Type Distribution Ration (RD) for Contaminant Sorption by Soils and Sediments; Replaced by D4646*

*ES11 Withdrawn 1987; Emergency Standard Specification Expanded or Exfoliated Vermiculite Thermal Insulating Cement; Replaced by C196*

*ES12 Withdrawn 1990; Emergency Standard Practice for Production and Evaluation of Field Metallographic Replicas*

*ES13 Withdrawn 1990; Emergency Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas, and Hot Tubs; Replaced by F1346*

*ES14 Withdrawn 1992; Emergency Standard Test Method for Vapor Pressure of Petroleum Products (Automatic Method); Replaced by D5190*

*ES15 Withdrawn 1992; Emergency Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method); Replaced by D5191*

*ES16 Withdrawn 1992; Emergency Standard Practice for Generation of Environmental Data Related to Waste Management Activities*

*ES17 Withdrawn 1993; Emergency Standard Specification for Special Purpose, Smooth-Tread Tire; Replaced by E1551*

*ES18 Withdrawn 1992; Emergency Standard Guide for Radon Control Options for the Design and Construction of New Low Rise Residential Buildings; Replaced by E1465*

*ES19 Withdrawn 1994; Emergency Standard Test Method for Particulate Contamination in Aviation Fuels by Laboratory Filtration; Replaced by D5452*

*ES20 Withdrawn 1994; Emergency Standard Test Method for Evaluating the Mechanical Properties of Fire-Retardant Treated Softwood Plywood Exposed to Elevated Temperatures; Replaced by D5516*

*ES21 Withdrawn 1995; Emergency Standard Test Method for Resistance of Protective Clothing Materials to Synthetic Blood; Replaced by F1670*

*ES22 Withdrawn 1995; Emergency Standard Test Method for Resistance of Protective Clothing Materials to Penetration by Blood-Borne Pathogens Using Viral Penetration as a Test System; Replaced by F1671*

*ES24 Withdrawn 1995; Emergency Standard Specification for Halon 1301 Bromotrifluoromethane (Cf3Br); Replaced by D5632*

*ES26 Withdrawn 1996; Emergency Standard Specification for Cautionary Labeling for Five Gallon Open-Head Containers (Buckets)*

*ES27 Withdrawn 1996; Emergency Standard Practice for Rubber—Establishing Replacement Immersion Reference Oils for ASTM No.2 and No.3 Immersion Oils as Used in Test Method D471; Replaced by D5964*

*ES28 Withdrawn 1995; Emergency Standard Practice for Field Collection of Dried Paint Samples for Lead Determination by Atomic Spectrometry Techniques; Replaced by E1729*

*ES29 Withdrawn 1995; Emergency Standard Practice for Field Collection of Soil Samples for Lead Determination by Atomic Spectrometry Techniques; Replaced by E1727*

*ES30 Withdrawn 1995; Emergency Standard Practice for Field Collection of Settled Dust Samples Using Wipe Sampling Methods for Lead Determination by Atomic Spectrometry Techniques; Replaced by E1728*

*ES33 Withdrawn 1995; Practice for Preparation of Airborne Particulate Lead Samples Collected During Abatement and Construction Activities for Subsequent Analysis by Atomic Spectrometry; Replaced by E1741*

*ES35 Withdrawn 1994; Emergency Test Methods for Analysis of Digested Samples for Lead by Inductively Coupled Plasma (ICP-AES) Flame Atomic Absorption (FAAS), or Graphite Furnace Atomic Absorption (GFAAS) Techniques; Replaced by E1613*

*ES36 Withdrawn 1995; Emergency Standard Practice for Hot Plate Digestion of Dust Wipe Samples for the Determination of Lead by Atomic Spectrometry; Replaced by E1644*

*ES37 Withdrawn 1995; Emergency Standard Practice for Practice for Preparation of Dried Paint Samples for Subsequent Lead Analysis by Atomic Spectrometry; Replaced by E1645*

*ES38 Withdrawn 1995; Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites; Replaced by E1739*

*ES40 Withdrawn 1997; Emergency Standard Practice for Alternative Procedures for the Assessment of Buried Steel Tanks Prior to the Addition of Cathodic Protection*

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# F. MATERIALS FOR SPECIFIC APPLICATIONS

*F1 Withdrawn 2009; Specification for Nickel-Clad and Nickel-Plated Steel Strip for Electron Tubes*
*F2 Withdrawn 1992; Specification for Aluminum-Clad Steel Strip and Nickel-Steel-Aluminum Composite Strip for Electron Tubes*
*F3 Withdrawn 2008; Specification for Nickel Strip for Electron Tubes*
*F4 Withdrawn 2010; Specification for Carbonized Nickel Strip and Carbonized Nickel-Plated and Nickel-Clad Steel Strip for Electron Tubes*
*F5 Withdrawn 1994; Test Method for Volatile Content of Germanium Dioxide*
*F6 Withdrawn 1994; Test Method for Bulk Density of Germanium Dioxide*
**F7-95(2011)** Specification for Aluminum Oxide Powder, **10.04**
*F8 Withdrawn 1973; Recommended Practice for Testing Electron Tube Materials Using Reference Triodes*
*F9 Withdrawn 1992; Specification for Round Wire for Use as Grid Siderods in Electron Tubes*
*F10 Withdrawn 1992; Specification for Miniature Electron Tube Leads*
*F11 Withdrawn 1973; Recommended Practice for Testing Electron Tube Parts by Means of a Reference Planar Diode*
*F12 Withdrawn 1984; Specification for Mica Bridges for Electron Tubes*
*F13 Withdrawn 1979; Specification for Disk Cathode Assemblies*
**F14-80(2010)** Practice for Making and Testing Reference Glass-Metal Bead-Seal, **15.02**
**F15-04(2013)** Specification for Iron-Nickel-Cobalt Sealing Alloy, **10.04**
**F16-12** Test Methods for Measuring Diameter or Thickness of Wire and Ribbon for Electronic Devices and Lamps, **10.04**
**F17-13a** Terminology Relating to Flexible Barrier Packaging, **15.10**
**F18-12** Specification and Test Method for Evaluation of Glass-to-Metal Headers Used in Electron Devices, **10.04**
**F19-11** Test Method for Tension and Vacuum Testing Metallized Ceramic Seals, **10.04**
*F20 Withdrawn 1992; Specification for High-Conductivity Composite Aluminum-Steel-Copper Strip for Electron Tubes*
**F21-65(2007)** Test Method for Hydrophobic Surface Films by the Atomizer Test, **15.03**
**F22-13** Test Method for Hydrophobic Surface Films by the Water-Break Test, **15.03**
*F23 Withdrawn 2000; Guide for Selecting Methods of Temperature Measurement of Thermionic Emitters*
**F24-09** Test Method for Measuring and Counting Particulate Contamination on Surfaces, **15.03**
**F25/F25M-09** Test Method for Sizing and Counting Airborne Particulate Contamination in Cleanrooms and Other Dust-Controlled Areas, **15.03**
*F26 Withdrawn 2003; Test Methods for Determining the Orientation of a Semiconductive Single Crystal*
*F27 Withdrawn 1995; Practice for Preparing a Test Ingot of Germanium by Hydrogen Reduction of Germanium Dioxide*
*F28 Withdrawn 20032; Test Methods for Minority-Carrier Lifetime in Bulk Germanium and Silicon by Measurement of Photoconductivity Decay*
**F29-97(2012)** Specification for Dumet Wire for Glass-to-Metal Seal Applications, **10.04**
**F30-96(2012)** Specification for Iron-Nickel Sealing Alloys, **10.04**
**F31-12** Specification for Nickel-Chromium-Iron Sealing Alloys, **10.04**
*F32 Withdrawn 1973; Recommended Practice for Scratch-Adhesion Testing of Cathode Coatings*
*F33 Withdrawn 1971; Recommended Practice for Determination of Gas Content of Strip Materials*
**F34-13** Practice for Construction of Test Cell for Liquid Extraction of Flexible Barrier Materials, **15.10**
*F35 Withdrawn 1994; Practice for Identification of Minute Crystalline Particle Contaminants by X-Ray Diffraction*
**F36-99(2009)** Test Method for Compressibility and Recovery of Gasket Materials, **09.02**
**F37-06(2013)** Test Methods for Sealability of Gasket Materials, **09.02**
**F38-00(2014)** Test Methods for Creep Relaxation of a Gasket Material, **09.02**
*F39 Withdrawn 1978; Methods of Testing Compressed Asbestos Sheet Packing*
*F40 Withdrawn 1989; Method for Preparing Monocrystalline Test Ingots of Silicon by the Vertical-Pulling (Czochralski) Technique*
*F41 Withdrawn 1995; Practice for Preparing Silicon Single Crystals by the Floating-Zone Technique for Evaluation of Polysilicon Ingot; Replaced by F1723*
*F42 Withdrawn 2003; Test Methods for Conductivity Type of Extrinsic Semiconducting Materials*
*F43 Withdrawn 2003; Test Methods for Resistivity of Semiconductor Materials*
**F44-95(2011)** Specification for Metallized Surfaces on Ceramic, **10.04**
*F45 Withdrawn 1971; Method of Test for Oxygen Content of Silicon*
*F46 Withdrawn 1993; Practice for Room Temperature Resistivity Measurements on Thermoelectric Materials*
*F47 Withdrawn 1998; Test Method for Crystallographic Perfection of Silicon by Preferential Etch Techniques; Replaced by F1725*
*F48 Withdrawn 1984; Recommended Practices for Dimensioning Mica Bridges*
*F49 Withdrawn 1978; Specification for Molybdenum Strip for Electron Tubes*
**F50-12** Practice for Continuous Sizing and Counting of Airborne Particles in Dust-Controlled Areas and Clean Rooms Using Instruments Capable of Detecting Single Sub-Micrometre and Larger Particles, **15.03**
**F51/F51M-00(2014)ε1** Test Method for Sizing and Counting Particulate Contaminant In and On Clean Room Garments, **15.03**
*F52 Withdrawn 1979; Method of Test for Silting Index of Fluids for Processing Electron and Microelectronic Devices*
*F53 Withdrawn 1984; Recommended Practice for Measurement of Sublimation from Thermionic Emitters*
*F54 Withdrawn 1981; Recommended Practice for Determining Multiple Photomask Registration*
*F55 Withdrawn 1991; Specification for Stainless Steel Bar and Wire for Surgical Implants*
*F56 Withdrawn 1991; Specification for Stainless Steel Sheet and Strip for Surgical Implants*
*F57 Withdrawn 1990; Test Method for Concentrating and Measuring Trace Quantities of Copper in High-Purity Water Used in the Electronics Industry*
*F58 Withdrawn 1998; Test Method of Measuring Specific Resistivity of Electronic Grade Solvents*
*F59 Withdrawn 1994; Practice for Identification of Metal Particulate Contamination Found in Electronic and Microelectronic Components and Systems Using the Ring Oven Technique, with Spot Tests*
*F60 Withdrawn 1993; Test Methods for Detection and Estimation of Microbiological Contaminants in Water Used for Processing Electron and Microelectronic Devices*
*F61 Withdrawn 1993; Test Method for Phosphate in Electronic Grade Hydrogen Peroxide Solutions*
*F62 Withdrawn 1990; Test Method for Tin in Electronic Grade Hydrogen Peroxide Solutions*
*F63 Withdrawn 1984; Specification for Electronic Grade Soluble Cellulose Nitrate*
*F64 Withdrawn 1981; Method of Test for Corrosive and Adhesive Effects of Gasket Materials on Metal Surfaces; Replaced by F607*
*F65 Withdrawn 1990; Specification for Primary Amyl Acetate (Mixed Isomers) for Use in Fabricating Electron Devices*
*F66 Withdrawn 1996; Test Methods for Testing Photoresists Used in Microelectronic Fabrication*
**F67-13** Specification for Unalloyed Titanium, for Surgical Implant Applications (UNS R50250, UNS R50400, UNS R50550, UNS R50700), **13.01**
**F68-10** Specification for Oxygen-Free Copper in Wrought Forms for Electron Devices, **02.01**
*F69 Withdrawn 1984; Specification for Diethyl Oxalate for Use in Fabricating Electron Devices*
*F70 Withdrawn 1990; Specification for Cathode Carbonates*
*F71 Withdrawn 2005; Practice for Using the Morphological Key for the Rapid Identification of Fibers for Contamination Control in Electron Devices and Microelectronics; Replaced by D276*
**F72-06** Specification for Gold Wire for Semiconductor Lead Bonding, **10.04**
**F73-96(2013)** Specification for Tungsten-Rhenium Alloy Wire for Electron Devices and Lamps, **10.04**
*F74 Withdrawn 1994; Practice for Determining Hydrolytic Stability of Plastic Encapsulants for Electronic Devices*
**F75-12** Specification for Cobalt-28 Chromium-6 Molybdenum Alloy Castings and Casting Alloy for Surgical Implants (UNS R30075), **13.01**
**F76-08** Test Methods for Measuring Resistivity and Hall Coefficient and Determining Hall Mobility in Single-Crystal Semiconductors, **10.04**
*F77 Withdrawn 2001; Test Method for Apparent Density of Ceramics for Electron Device and Semiconductor Application*
*F78 Withdrawn 2008; Test Method for Calibration of Helium Leak Detectors by Use of Secondary Standards*
**F79-69(2010)** Specification for Type 101 Sealing Glass, **15.02**
*F80 Withdrawn 1998; Test Method for Crystallographic Perfection of Epitaxial Deposits of Silicon by Etching Techniques; Replaced by F1726*
*F81 Withdrawn 2003; Test Method for Measuring Radial Resistivity Variation on Silicon Wafers*
*F82 Withdrawn 1976; Recommended Practice for Fast Quality Check on Immersion for Nonmetallic Gasket Materials*
**F83-71(2013)** Practice for Definition and Determination of Thermionic Constants of Electron Emitters, **10.04**
*F84 Withdrawn 2003; Test Method for Measuring Resistivity of Silicon Wafers With an In-Line Four-Point Probe*
**F85-76(2013)** Practice for Nomenclature for Wire Leads Used as Conductors in Electron Tubes, **10.04**
**F86-13** Practice for Surface Preparation and Marking of Metallic Surgical Implants, **13.01**
*F87 Withdrawn 1980; Method of Test for Rate of Grease Penetration of Flexible Barrier Materials*
**F88/F88M-09** Test Method for Seal Strength of Flexible Barrier Materials, **15.10**
*F89 Withdrawn 1980; Method for Determination of the Modulus of a Flexible Barrier Material by Sonic Method*
**F90-09** Specification for Wrought Cobalt-20Chromium-15Tungsten-10Nickel Alloy for Surgical Implant Applications (UNS R30605), **13.01**
**F91-06(2011)** Practice for Testing for Leaks in the Filters Associated With Laminar Flow Clean Rooms and Clean Work Stations by Use of a Condensation Nuclei Detector, **15.03**
**F92-93(2008)** Practice for Determination of Character Yield of Inked Fabric Typewriter and Printer Ribbons, **15.09**
*F93 Withdrawn 1979; Recommended Practice for Preparation of Specifications for the Procurement of Photomasks*
*F94 Withdrawn 1992; Test Method for Aluminum in Electronic Grade Hydrogen Peroxide*
*F95 Withdrawn 2003; Test Method for Thickness of Lightly Doped Silicon Epitaxial Layers on Heavily Doped Silicon Substrates Using an Infrared Dispersive Spectrophotometer*

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**F96-77(2010)** Specification for Electronic Grade Alloys of Copper and Nickel in Wrought Forms, **10.04**
*F97 Withdrawn 2008; Practices for Determining Hermeticity of Electron Devices by Dye Penetration*
*F98 Withdrawn 1992; Practices for Determining Hermeticity of Electron Devices by a Bubble Test*
**F99-07(2011)** Guide for Writing a Specification for Flexible Barrier Rollstock Materials, **15.10**
*F100 Withdrawn 1996; Test Method for Shrinkage Stresses in Plastic Embedment Materials Using a Photoelastic Technique for Electronic and Similar Applications*
*F101 Withdrawn 1973; Specification for Composite Strip of Iron-Nickel-Cobalt Alloy and Copper for Use in Electron Devices*
*F102 Withdrawn 1990; Method for Spectrochemical Analysis of Emissive Carbonates by the Powder D-C Arc Technique*
*F103 Withdrawn 1972; Specification for Alumina; Replaced by D2442*
**F104-11** Classification System for Nonmetallic Gasket Materials, **09.02**
**F105-72(2010)** Specification for Type 58 Borosilicate Sealing Glass, **15.02**
**F106-12** Specification for Brazing Filler Metals for Electron Devices, **10.04**
*F107 Withdrawn 1976; Recommended Practice for Boron-Deoxidized Copper in Wrought Forms for Electron Devices*
*F108 Withdrawn 1993; Test Method for Resistivity of Silicon Epitaxial Layers by the Three-Probe Voltage Breakdown Method*
**F109-12** Terminology Relating to Surface Imperfections on Ceramics, **15.02**
*F110 Withdrawn 2003; Test Method for Thickness of Epitaxial or Diffused Layers in Silicon by the Angle Lapping and Staining Technique*
*F111 Withdrawn 2008; Practice for Determining Barium Yield, Getter Gas Content, and Getter Sorption Capacity for Barium Flash Getters*
**F112-00(2013)** Test Method for Sealability of Enveloped Gaskets, **09.02**
*F113 Withdrawn 1995; Method for Stiffness Testing of Wire for Electron Devices and Lamps*
*F114 Withdrawn 1980; Specification for Bone Screw Threads; Replaced by F543*
*F115 Withdrawn 1980; Specification for Bone Screw Heads; Replaced by F543*
**F116-12** Specification for Medical Screwdriver Bits, **13.01**
*F117 Withdrawn 2001; Test Method for Driving Torque of Medical Bone Screws; Replaced by F543, F1622*
**F118-13** Definitions of Terms Relating to Gaskets, **09.02**
**F119-82(2008)** Test Method for Rate of Grease Penetration of Flexible Barrier Materials (Rapid Method), **15.10**
*F120 Withdrawn 1993; Practices for Determination of the Concentration of Impurities in Single Crystal Semiconductor Materials by Infrared Absorption Spectroscopy*
*F121 Withdrawn 1990; Test Method for Interstitial Atomic Oxygen Content of Silicon by Infrared Absorption*
*F122 Withdrawn 1990; Test Method for Interstitial Atomic Oxygen Content of Germanium by Infrared Absorption*
*F123 Withdrawn 1992; Test Method for Substitutional Atomic Carbon Content of Silicon by Infrared Absorption; Replaced by F1391*
*F124 Withdrawn 1976; Method of Test for Coincident Current Memory Core Stacks*
*F125 Withdrawn 1976; Method of Test for Non-Metallic Magnetic Cores to be Used in a Linear Select Memory With a Non-Symmetrical Ratio Operation Under Full Switching Conditions*
*F126 Withdrawn 1976; Terms and Definitions Which Relate to the Use and Testing of Ferrite Memory Cores and Memory Core Arrays*
*F127 Withdrawn 1993; Definitions of Terms Relating to Photomasking Technology for Microelectronics*
*F128 Withdrawn 1992; Methods of Testing Sleeves and Tubing for Electron Tube Cathodes*
**F129-97(2008)** Practice for Amount of Ink Deposit on Carbon Paper and Inked Ribbons, Other Than Fabric Type, **15.09**
*F130 Redesignated A883*
*F131 Redesignated A893*
*F132 Withdrawn 1987; Methods of Testing Nonmetallic Magnetic Cores to be Used in a Coincident Current Memory With a Two-to-One Selection Ratio Operating Under Full Switching Conditions*
*F133 Redesignated A894*
*F134 Withdrawn 1996; Test Methods for Determining Hermeticity of Electron Devices with a Helium Mass Spectrometer Detector*
*F135 Withdrawn 1998; Test Method for Embedment Stress Caused by Casting Compounds on Glass-Encased Electronic Components*
**F136-13** Specification for Wrought Titanium-6Aluminum-4Vanadium ELI (Extra Low Interstitial) Alloy for Surgical Implant Applications (UNS R56401), **13.01**
**F137-08(2013)** Test Method for Flexibility of Resilient Flooring Materials with Cylindrical Mandrel Apparatus, **15.04**
**F138-13a** Specification for Wrought 18Chromium-14Nickel-2.5Molybdenum Stainless Steel Bar and Wire for Surgical Implants (UNS S31673), **13.01**
**F139-12** Specification for Wrought 18Chromium-14Nickel-2.5Molybdenum Stainless Steel Sheet and Strip for Surgical Implants (UNS S31673), **13.01**
**F140-98(2013)** Practice for Making Reference Glass-Metal Butt Seals and Testing for Expansion Characteristics by Polarimetric Methods, **15.02**
**F141-12** Terminology Relating to Resilient Floor Coverings, **15.04**
*F142 Withdrawn 2007; Test Method for Indentation of Resilient Floor Tiles (McBurney Test); Replaced by F1914*
*F143 Withdrawn 1985; Method of Test for Thickness of Epitaxial Layers of Silicon by Measurement of Stacking Fault Dimension*
**F144-80(2010)** Practice for Making Reference Glass-Metal Sandwich Seal and Testing for Expansion Characteristics by Polarimetric Methods, **15.02**
**F145-72(2009)** Practice for Evaluating Flat-Faced Gasketed Joint Assemblies, **09.02**
**F146-12** Test Methods for Fluid Resistance of Gasket Materials, **09.02**
**F147-87(2009)** Test Method for Flexibility of Non-Metallic Gasket Materials, **09.02**
**F148-13** Test Method for Binder Durability of Cork Composition Gasket Materials, **09.02**
**F149-92b(2009)** Terminology Relating to Optical Character Recognition, **15.09**
**F150-06(2013)** Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring, **15.04**
*F151 Withdrawn 2004; Test Method for Residual Solvents in Flexible Barrier Materials*
**F152-95(2009)** Test Methods for Tension Testing of Nonmetallic Gasket Materials, **09.02**
**F153-95(2008)** Test Method for Determining the Yield of Wide Inked Computer Ribbons, **15.09**
*F154 Withdrawn 2003; Guide for Identification of Structures and Contaminants Seen on Specular Silicon Surfaces*
*F155 Withdrawn 1983; Method of Test for Temper of Strip and Sheet Metals for Electronic Devices (Spring-Back Method)*
*F156 Not Assigned*
*F157 Withdrawn 1959; Methods of Testing Wire for Supports Used in Electronic Devices and Lamps*
*F158 Not Assigned*
*F159 Not Assigned*
*F160 Not Assigned*
*F161 Not Assigned*
*F162 Not Assigned*
*F163 Not Assigned*
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*F169 Not Assigned*
*F170 Not Assigned*
*F171 Not Assigned*
*F172 Not Assigned*
*F173 Not Assigned*
*F174 Not Assigned*
*F175 Withdrawn 1963; Specification for Round Nickel Wire for Lamps and Electronic Devices*
*F176 Not Assigned*
*F177 Not Assigned*
*F178 Not Assigned*
*F179 Not Assigned*
**F180-94(2010)$^{\epsilon 1}$** Test Method for Density of Fine Wire and Ribbon Wire for Electronic Devices, **10.04**
*F181 Not Assigned*
*F182 Not Assigned*
*F183 Not Assigned*
*F184 Not Assigned*
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*F186 Not Assigned*
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*F188 Not Assigned*
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*F196 Not Assigned*
*F197 Not Assigned*
*F198 Not Assigned*
*F199 Not Assigned*
*F200 Not Assigned*
*F201 Not Assigned*
*F202 Not Assigned*
*F203 Withdrawn 1965; Method of Test for Strength of Welded Joints of Lead Wires for Electronic Devices and Lamps*
**F204-76(2013)** Test Method for Surface Flaws in Tungsten Seal Rod and Wire, **10.04**
**F205-94(2010)$^{\epsilon 1}$** Test Method for Measuring Diameter of Fine Wire by Weighing, **10.04**
*F206 Not Assigned*
*F207 Not Assigned*
*F208 Not Assigned*
*F209 Not Assigned*
*F210 Not Assigned*
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**F218-13** Test Method for Measuring Optical Retardation and Analyzing Stress in Glass, **15.02**
**F219-96(2013)** Test Methods of Testing Fine Round and Flat Wire for Electron Devices and Lamps, **10.04**
*F220 Not Assigned*
**F221-98(2009)** Terminology Relating to Carbon Paper and Inked Ribbon Products and Images Made Therefrom, **15.09**
*F222 Not Assigned*
*F223 Not Assigned*
*F224 Not Assigned*
*F225 Not Assigned*
*F226 Not Assigned*
*F227 Not Assigned*
*F228 Not Assigned*
*F229 Not Assigned*
*F230 Not Assigned*
*F231 Not Assigned*
*F232 Withdrawn 1984; Method of Test for Curl Resistance of Carbon Paper*
*F233 Not Assigned*
*F234 Not Assigned*
*F235 Not Assigned*
*F236 Not Assigned*
*F237 Not Assigned*
*F238 Withdrawn 1978; Recommended Practice for Cathode Melt Prove-in Testing*
*F239 Withdrawn 1992; Specification for Nickel-Alloy Cathode Sleeves for Electron Devices*
*F240 Not Assigned*
*F241 Not Assigned*
*F242 Not Assigned*
*F243 Not Assigned*
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*F249 Not Assigned*
*F250 Not Assigned*
*F251 Not Assigned*
*F252 Not Assigned*
*F253 Not Assigned*
*F254 Withdrawn 1998; Test Method for Slip Resistance of Carbon Paper*
*F255 Not Assigned*
**F256-05(2010)** Specification for Chromium-Iron Sealing Alloys with 18 or 28 Percent Chromium, **10.04**
*F257 Withdrawn 1973; Specification for 28% Chromium-Iron Alloy for Sealing to Glass; Combined with F 256*
*F258 Not Assigned*
*F259 Not Assigned*
*F260 Not Assigned*
*F261 Not Assigned*
*F262 Not Assigned*
*F263 Not Assigned*
*F264 Not Assigned*
*F265 Not Assigned*
*F266 Not Assigned*
*F267 Not Assigned*
*F268 Withdrawn 1959; Specification for Round Chromium-Copper Wire for Electronic Devices*
**F269-60(2009)** Test Method for Sag of Tungsten Wire, **10.04**
*F270 Withdrawn 1972; Recommended Practice for Testing Relative Thermionic Emissive Properties of Electron Tube Materials Using a Reference Cylindrical Diode*
*F271 Not Assigned*
*F272 Not Assigned*
*F273 Not Assigned*
*F274 Not Assigned*
*F275 Not Assigned*
*F276 Not Assigned*
*F277 Not Assigned*
*F278 Withdrawn 1972; Method of Test for Sublimination Characteristics of Metallic Materials in Cathode Sleeve Form by Electrical Resistance*
*F279 Not Assigned*
*F280 Not Assigned*
*F281 Not Assigned*
*F282 Not Assigned*
*F283 Not Assigned*
*F284 Not Assigned*
*F285 Not Assigned*
*F286 Not Assigned*
*F287 Not Assigned*
**F288-96(2009)** Specification for Tungsten Wire for Electron Devices and Lamps, **10.04**
**F289-96(2009)** Specification for Molybdenum Wire and Rod for Electronic Applications, **10.04**
**F290-94(2010)** Specification for Round Wire for Winding Electron Tube Grid Laterals, **10.04**
*F291 Not Assigned*
*F292 Not Assigned*
*F293 Not Assigned*
*F294 Not Assigned*
*F295 Not Assigned*
*F296 Not Assigned*
*F297 Not Assigned*
*F298 Not Assigned*
*F299 Not Assigned*
*F300 Withdrawn 1992; Test Methods for Measuring Interface Impedance Characteristics of Electron Tube Cathodes*
*F301 Withdrawn 2000; Practice for Open Bottle Tap Sampling of Liquid Streams*
**F302-09** Practice for Field Sampling of Aerospace Fluids in Containers, **15.03**
**F303-08** Practices for Sampling for Particles in Aerospace Fluids and Components, **15.03**
*F304 Withdrawn 1988; Method of Sampling for Particulates from Aerospace Components With Convolutes*
*F305 Withdrawn 1988; Method of Sampling Particulates from Reservoir-Type Pressure-Sensing Instruments by Fluid Flushing*
*F306 Withdrawn 2000; Practice for Sampling Particulates from Man-Accessible Storage Vessels for Aerospace Fluids by Vacuum Entrainment Technique (General Method)*
**F307-13** Practice for Sampling Pressurized Gas for Gas Analysis, **15.03**
*F308 Withdrawn 1988; Method of Sampling Gas Blow-Down Systems and Components for Particulate Contamination by Manual Method*
**F309-04(2010)** Practice for Liquid Sampling of Noncryogenic Aerospace Propellants, **15.03**
**F310-07(2012)** Practice for Sampling Cryogenic Aerospace Fluids, **15.03**
**F311-08(2013)** Practice for Processing Aerospace Liquid Samples for Particulate Contamination Analysis Using Membrane Filters, **15.03**
**F312-08** Test Methods for Microscopical Sizing and Counting Particles from Aerospace Fluids on Membrane Filters, **15.03**
*F313 Redesignated D4898*
*F314 Withdrawn 1991; Test Methods for Identification of Metallic and Fibrous Contaminants in Aerospace Fluids*
*F315 Withdrawn 1998; Test Methods of Identification of Solder and Solder Flux Contaminants in Aerospace Fluids*
**F316-03(2011)** Test Methods for Pore Size Characteristics of Membrane Filters by Bubble Point and Mean Flow Pore Test, **11.02**
*F317 Withdrawn 1995; Test Method for Liquid Flow Rate of Membrane Filters*
*F318 Withdrawn 2013; Practice for Sampling Airborne Particulate Contamination in Cleanrooms for Handling Aerospace Fluids; Replaced by F25/F25M*
**F319-09** Practice for Polarized Light Detection of Flaws in Aerospace Transparency Heating Elements, **15.03**
**F320-10** Test Method for Hail Impact Resistance of Aerospace Transparent Enclosures, **15.03**
*F321 Withdrawn 1983; Automatic Particle Counter Size Setting Method*
*F322 Withdrawn 1992; Method for Determining the Quality of Calibration Particles for Automatic Particle Counters*
*F323 Withdrawn 1989; Practice for Precision Classification of Particles*
*F324 Withdrawn 1987; Test Method for Nonvolatile Residue of Volatile Cleaning Solvents Using the Solvent Purity Meter*
*F325 Not Assigned*
**F326-96(2012)** Test Method for Electronic Measurement for Hydrogen Embrittlement From Cadmium-Electroplating Processes, **15.03**
**F327-08** Practice for Sampling Gas Blow Down Systems and Components for Particulate Contamination by Automatic Particle Monitor Method, **15.03**
*F328 Withdrawn 2007; Practice for Calibration of an Airborne Particle Counter Using Monodisperse Spherical Particles*
*F329 Withdrawn 1993; Practice for Sampling and Measurement of Particulate Contamination in Liquids Using an In-Line Automatic Monitor*
**F330-10** Test Method for Bird Impact Testing of Aerospace Transparent Enclosures, **15.03**
**F331-13** Test Method for Nonvolatile Residue of Solvent Extract from Aerospace Components (Using Flash Evaporator), **15.03**
*F332 Withdrawn 1982; Method of Test for Amount of Nonvolatile Residue (NVR) in Trichlorotrifluouroethane (Meseran Procedure)*
*F333 Withdrawn 1982; Method of Test for Amount of Lubricant on the Surface of Aluminum Foils (Meseran Procedure)*
*F334 Withdrawn 1990; Method for Measuring Lithium-Ion Drift Mobility in Germanium Single Crystals*
**F335-03(2009)** Terminology Relating to Electrostatic Imaging, **15.09**
**F336-02(2009)** Practice for Design and Construction of Nonmetallic Enveloped Gaskets for Corrosive Service, **09.02**
*F337 Withdrawn 1982; Recommended Practice for Dimensions and Tolerances for Bone Plates; Replaced by F786*
*F338 Withdrawn 1982; Specification for Tipial-Type Bone Plate; Replaced by F786*
*F339 Withdrawn 1998; Specification for Cloverleaf Intramedullary Pins*
*F340 Withdrawn 1997; Specification for Pilot-Type Medical Countersinks*
*F341 Withdrawn 1982; Specification for Slotted Bone Plates; Replaced by F786*
*F342 Withdrawn 1993; Specification for Counterlocking Screws (Thornton Type)*
*F343 Withdrawn 1993; Specification for Counterlocking Screws (Mclaughlin Type)*
*F344 Withdrawn 1993; Specification for Counterbored Hex-Head Bolts (Thornton Type) Made from Stainless Steel*
*F345 Withdrawn 1993; Specification for Counterbored Hex-Head Bolts (Mclaughlin Type) Made from Stainless Steel*
*F346 Withdrawn 1993; Specification for Cannulated Hex-Head Bolts (Thornton Type) Made from Cobalt-Chromium Alloy*

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*F347 Withdrawn 1993; Specification for Cannulated Hex-Head Bolts (Mclaughlin Type) Made from Cobalt-Chromium Alloy*
*F348 Withdrawn 1993; Specification for Hex-Head Bolts (Thornton Type) Made from Cobalt-Chromium Alloy*
*F349 Withdrawn 1993; Specification for Hex-Head Bolts (Mclaughlin Type) Made from Cobalt-Chromium Alloy*
*F350 Withdrawn 1993; Specification for Hex-Head Bolts (Thornton Type) and Lock Washers Made from Stainless Steel*
*F351 Withdrawn 1993; Specification for Hex-Head Bolts (Mclaughlin Type) and Lock Washers Made from Stainless Steel*
*F352 Withdrawn 1993; Specification for Lock Washers Made from Stainless Steel*
*F353 Withdrawn 1991; Specification for Tri-Fin Nails Made from Cobalt-Chromium Alloy; Replaced by F1028*
*F354 Withdrawn 1991; Specification for Tri-Fin Nails Made from Stainless Steel; Replaced by F1028*
**F355-10a** Test Method for Impact Attenuation of Playing Surface Systems and Materials, **15.07**
*F356 Withdrawn 2001; Specification for Beryllia Ceramics for Electronic and Electrical Applications*
*F357 Withdrawn 2008; Practice for Determining Solderability of Thick Film Conductors*
*F358 Withdrawn 2008; Test Method for Wavelength of Peak Photoluminescence and the Corresponding Composition of Gallium Arsenide Phosphide Wafers*
*F359 Withdrawn 2003; Practice for Static Immersion Testing of Unstressed Materials in Nitrogen Tetroxide ($N_2O_4$)*
**F360-82(2011)** Practice for Image Evaluation of Electrostatic Business Copies, **15.09**
*F361 Withdrawn 1987; Practice for Assessment of Compatibility of Metallic Materials for Surgical Implants With Respect to Effect of Materials on Tissue; Replaced by F981*
**F362/F362M-91(2010)$^{\epsilon 1}$** Test Method for Determining the Erasability of Inked Ribbons, **15.09**
**F363-99(2011)** Test Method for Corrosion Testing of Gaskets, **09.02**
**F364-96(2009)** Specification for Molybdenum Flattened Wire for Electron Tubes, **10.04**
*F365 Withdrawn 1977; Recommended Practice for Electrostatic Charge Mobility on Flexible Barrier Materials*
**F366-10** Specification for Fixation Pins and Wires, **13.01**
*F367 Withdrawn 1997; Specification for Holes and Slots for Inch Cortical Bone Screws*
*F367M Withdrawn 1997; Specification for Holes and Slots with Spherical Contour for Metgric Cortical Bone Screws [Metric]*
*F368 Withdrawn 1982; Specification for Fixation Pins–Knowles and Hagie Types; Replaced by F366*
*F369 Withdrawn 1982; Specification for Hip Nail–Jewett Type; Replaced by F787*
*F370 Withdrawn 2005; Specification for Proximal Femoral Endoprosthesis*
*F371 Withdrawn 2003; Test Methods for Compatibility of Materials with Liquid Oxygen (Reaction Intensity Method)*
*F372 Withdrawn 2009; Test Method for Water Vapor Transmission Rate of Flexible Barrier Materials Using an Infrared Detection Technique*
**F373-13** Test Method for Embossed Depth of Resilient Floor Coverings, **15.04**
*F374 Withdrawn 2003; Test Method for Sheet Resistance of Silicon Epitaxial, Diffused, Polysilicon, and Ion-implanted Layers Using an In-Line Four-Point Probe with the Single-Configuration Procedure*
**F375-89(2010)** Specification for Integrated Circuit Lead Frame Material, **10.04**
*F376/F376M Withdrawn 1994; Test Methods for Tires for Wet Traction Performance in Cornering*
**F377-03(2009)** Practice for Calibration of Braking/Tractive Measuring Devices for Testing Tires, **09.02**
*F378 Withdrawn 1978; Method of Test for Electrical Ignition Characteristics of Gas-Filled Flash Lamps*
*F379 Withdrawn 1994; Test Method for Measuring Slope Efficiency and Lasing Threshold of Ruby Laser Rods*
*F380 Withdrawn 1994; Test Method for Effective Fluorescent Lifetime of Neodymium-Doped Laser Materials*
**F381-14** Safety Specification for Components, Assembly, Use, and Labeling of Consumer Trampolines, **15.07**
**F382-99(2008)$^{\epsilon 1}$** Specification and Test Method for Metallic Bone Plates, **13.01**
*F383 Withdrawn 1996; Practice for Static Bend and Torsion Testing of Intramedullary Rods*
**F384-12** Specifications and Test Methods for Metallic Angled Orthopedic Fracture Fixation Devices, **13.01**
*F385 Not Assigned*
**F386-11** Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces, **15.04**
**F387-11** Test Method for Measuring Thickness of Resilient Floor Covering With Foam Layer, **15.04**
*F388 Withdrawn 1993; Method for Measurement of Oxide Thickness on Silicon Wafers and Metallization Thickness by Multiple-Beam Interference (Tolanksy Method)*
*F389 Withdrawn 1993; Test Method for Crystallographic Perfection of Germanium by Preferential Etch Techniques*
**F390-11** Test Method for Sheet Resistance of Thin Metallic Films With a Collinear Four-Probe Array, **10.04**
*F391 Withdrawn 2003; Test Methods for Minority Carrier Diffusion Length in Extrinsic Semiconductors by Measurement of Steady-State Surface Photovoltage*
**F392/F392M-11** Practice for Conditioning Flexible Barrier Materials for Flex Durability, **15.10**
*F393 Withdrawn 1982; Recommended Practice for Inspection of Pneumatic Tires Prior to Retreading*
*F394 Withdrawn 2001; Test Method for Biaxial Flexure Strength (Modulus of Rupture) of Ceramic Substrates*
**F395-10** Terminology Relating to Vacuum Cleaners, **15.08**
**F396-00(2009)** Practice for Comparing One-Time Noncorrectable Typewriter Ribbons, **15.09**
*F397 Withdrawn 2003; Test Method for Resistivity of Silicon Bars Using a Two-Point Probe*
*F398 Withdrawn 2003; Test Method for Majority Carrier Concentration in Semiconductors by Measurement of Wavenumber or Wavelength of the Plasma Resonance Minimum*
*F399 Withdrawn 2003; Test Method for Thickness of Heteroepitaxial or Polysilicon Layers*
**F400-10** Consumer Safety Specification for Lighters, **15.11**
*F401 Withdrawn 1980; Method of Test for Yield and Maintainence Factors for Gaskets*
**F402-05(2012)** Practice for Safe Handling of Solvent Cements, Primers, and Cleaners Used for Joining Thermoplastic Pipe and Fittings, **08.04**
*F403 Withdrawn 2007; Test Method for Tires for Wet Traction in Straight-Ahead Braking, Using Highway Vehicles*
**F404-14** Consumer Safety Specification for High Chairs, **15.11**
**F405-13** Specification for Corrugated Polyethylene (PE) Pipe and Fittings, **08.04**
**F406-13** Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards, **15.11**
*F407 Not Assigned*
**F408-99(2008)** Test Method for Tires for Wet Traction in Straight-Ahead Braking, Using a Towed Trailer, **09.02**
**F409-12** Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings, **08.04**
**F410-08(2013)** Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement, **15.04**
*F411 Withdrawn 1988; Method for Service-Free Life Evaluation of Air Handling System of Household Canister, Stick, Hand-Held, and Utility Vacuum Cleaners; Replaced by F1038*
**F412-13** Terminology Relating to Plastic Piping Systems, **08.04**
*F413 Withdrawn 2002; Practice for Preparation of an Offset Duplicator for Use in Functional Testing of Lithographic Copy Products*
**F414-09** Test Method for Energy Absorbed by a Tire When Deformed by Slow-Moving Plunger, **09.02**
**F415-87(2010)** Test Method for Curl in Carbon Paper, **15.09**
*F416 Withdrawn 1998; Test Method for Detection of Oxidation Induced Defects in Polished Silicon Wafers; Replaced by F1727*
*F417 Withdrawn 2001; Test Method for Flexural Strength (Modulus of Rupture) of Electronic-Grade Ceramics*
*F418 Withdrawn 2008; Practice for Preparation of Samples of the Constant Composition Region of Epitaxial Gallium Arsenide Phosphide for Hall Effect Measurements*
*F419 Withdrawn 2001; Test Method for Determining Carrier Density in Silicon Epitaxial Layers by Capacitance-Voltage Measurements on Fabricated Junction or Schottky Diodes*
**F420-04(2009)** Test Method for Access Depth Under Furniture of Vacuum Cleaners, **15.08**
**F421-07(2013)$^{\epsilon 1}$** Test Method for Measuring Groove and Void Depth in Passenger Car Tires, **09.02**
*F422 Not Assigned*
*F423 Withdrawn 2002; Specification forPolytetrafluoroethylene (PTFE) Plastic-Lined Ferrous Metal Pipe, Fittings, and Flanges*
*F424 Withdrawn 2006; Test Method for Tires for Wet Driving Traction in Straight-Ahead Motion Using Highway Vehicles*
*F425 Withdrawn 2003; Terminology Relating to Lithographic Copy Products*
*F426 Withdrawn 1995; Practice for Evaluating and Classifying Methods for the Analysis of Fat in Meat and Meat Products*
*F427 Withdrawn 1995; Practice for Sampling Meat to Determine Percent Composition in a Lot*
**F428-09** Test Method for Intensity of Scratches on Aerospace Glass Enclosures, **15.03**
**F429-10** Test Method for Shock-Attenuation Characteristics of Protective Headgear for Football, **15.07**
**F430-13** Specification for Paper Used for Vacuum Cleaner Filter Bags, **15.08**
**F431-04(2013)** Specification for Air Performance Measurement Plenum Chamber for Vacuum Cleaners, **15.08**
**F432-13** Specification for Roof and Rock Bolts and Accessories, **01.08**
**F433-02(2009)** Practice for Evaluating Thermal Conductivity of Gasket Materials, **09.02**
**F434-93(2009)** Test Method for Blow-Out Testing of Preformed Gaskets, **09.02**
*F435 Withdrawn 1988; Method of Test for Peak Wet Traction of Tires in Cornering With Driving Torque Application, Using Highway Vehicles*
**F436-11** Specification for Hardened Steel Washers, **01.08**
**F436M-11** Specification for Hardened Steel Washers (Metric), **01.08**
**F437-09** Specification for Threaded Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, **08.04**
**F438-09** Specification for Socket-Type Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40, **08.04**
**F439-13** Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80, **08.04**
*F440 Not Assigned*

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**F441/F441M-13ε1** Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80, **08.04**
**F442/F442M-13ε1** Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe (SDR–PR), **08.04**
*F443 Withdrawn 1987; Specification for Bell-End Chlorinated Poly(Vinyl Chloride)(CPVC) Pipe, Schedule 40*
**F444-88(2009)** Consumer Safety Specification for Scald-Preventing Devices and Systems in Bathing Areas, **15.11**
**F445-88(2009)** Consumer Safety Specification for Thermal-Shock-Preventing Devices and Systems in Showering Areas, **15.11**
**F446-85(2009)** Consumer Safety Specification for Grab Bars and Accessories Installed in the Bathing Area, **15.11**
*F447 Withdrawn 1982; Specification for V-Style Blade Plate; Replaced by F787*
**F448-11** Test Method for Measuring Steady-State Primary Photocurrent, **10.04**
**F449-02(2008)** Practice for Subsurface Installation of Corrugated Polyethylene Pipe for Agricultural Drainage or Water Table Control, **08.04**
**F450-13** Test Methods for Vacuum Cleaner Hose—Durability and Reliability (Plastic), **15.08**
**F451-08** Specification for Acrylic Bone Cement, **13.01**
**F452-76(2008)** Specification for Preformed Cranioplasty Plates, **13.01**
*F453 Withdrawn 1994; Specification for Hooked Intramedullary Pins; Replaced by F1264*
*F454 Withdrawn 1994; Specification for Intramedullary Pins; Replaced by F1264*
*F455 Withdrawn 1994; Specification for Solid Cross-Section Intramedullary Nails; Replaced by F1264*
*F456 Withdrawn 1988; Test Method for Pinhole Flex Life of Films by Axial Vibration of a Tubular Sample*
**F457-04(2010)** Test Method for Speed and Distance Calibration of Fifth Wheel Equipped With Either Analog or Digital Instrumentation, **09.02**
**F458-13** Practice for Nondestructive Pull Testing of Wire Bonds, **10.04**
**F459-13** Test Methods for Measuring Pull Strength of Microelectronic Wire Bonds, **10.04**
*F460 Withdrawn 1985; Method for Laboratory Test for Relative Cornering and Aligning Stiffnesses of Passenger Car Tires*
*F461 Not Assigned*
**F462-79(2007)** Consumer Safety Specification for Slip-Resistant Bathing Facilities, **15.11**
*F463 Withdrawn 1995; Test Method for Fat in Meat and Meat Products by Ether Extraction*
*F464 Withdrawn 1995; Test Methods for Fat in Meat and Meat Products by the Foss-Let Fat Analyzer Techniques*
*F465 Withdrawn 1993; Practice for Developing Precision and Accuracy Data on ASTM Method for the Analysis of Meat And Meat Products; Replaced by F691*
*F466 Withdrawn 1997; Test Method for Small-Signal Scattering Parameters of Low-Power Transistors in the 0.2 to 2.0-GHz Frequency Range*
**F467-13** Specification for Nonferrous Nuts for General Use, **01.08**
**F467M-06a(2012)** Specification for Nonferrous Nuts for General Use (Metric), **01.08**
**F468-12** Specification for Nonferrous Bolts, Hex Cap Screws, Socket Head Cap Screws, and Studs for General Use, **01.08**
**F468M-06(2012)** Specification for Nonferrous Bolts, Hex Cap Screws, and Studs for General Use (Metric), **01.08**
*F469 Withdrawn 1987; Practice for Assessment of Compatibility of Nonporous Polymeric Materials for Surgical Implants with Regard to Effect of Materials on Tissue*
**F470-89(2009)** Practice for Caking Temperature of Dry Electrostatic Toner, **15.09**
*F471 Withdrawn 2011; Terminology Relating to Combination Locks*
**F472-11** Terminology for Geometry of Alpine Skis, **15.07**
**F473-09** Specification for Binding Mounting Area Dimensions on Alpine Skis and Bindings, **15.07**
*F474 Withdrawn 2004 Specification forStatic Screw-Retention Strength of Binding Mounting Area on Alpine Skis*
*F475 Withdrawn 2004; Specifications forTest Screw Used in Screw-Retention Test of Binding Mounting Area on Alpine Skis*
**F476-14** Test Methods for Security of Swinging Door Assemblies, **15.08**
**F477-10** Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe, **08.04**
**F478-09** Specification for In-Service Care of Insulating Line Hose and Covers, **10.03**
**F479-06(2011)** Specification for In-Service Care of Insulating Blankets, **10.03**
**F480-12** Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80, **08.04**
**F481-97(2008)** Practice for Installation of Thermoplastic Pipe and Corrugated Pipe in Septic Tank Leach Fields, **08.04**
**F482-09** Practice for Corrosion of Aircraft Metals by Total Immersion in Maintenance Chemicals, **15.03**
**F483-09** Practice for Total Immersion Corrosion Test for Aircraft Maintenance Chemicals, **15.03**
**F484-08(2013)** Test Method for Stress Crazing of Acrylic Plastics in Contact with Liquid or Semi-Liquid Compounds, **15.03**
**F485-08(2013)** Practice for Effects of Cleaners on Unpainted Aircraft Surfaces, **15.03**
**F486-01(2011)** Practice for Preparation of Use and Care Booklets for Vacuum Cleaners, **15.08**
**F487-13** Specification for Fine Aluminum–1 % Silicon Wire for Semiconductor Lead-Bonding, **10.04**
*F488 Withdrawn 2004; Test Method for On-Site Screening of Heterotrophic Bacteria in Water*
*F489 Withdrawn 2005; Test Method for Using a James Machine*
*F490 Withdrawn 1992; Method for Microscopical Sizing and Counting Particles on Membrane Filters Using Image Shear*
*F491 Withdrawn 2002; Specification for Poly(Vinylidene Fluoride) (PVDF) Plastic-Lined Ferrous Metal Pipe and Fittings*
*F492 Withdrawn 2004: Specification for Propylene and Polypropylene (PP) Plastic-Lined Ferrous Metal Pipe and Fittings*
**F493-10** Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings, **08.04**
**F494-05(2011)** Test Methods for Evaluating Primary Disposable Bag Integrity for Vacuum Cleaners, **15.08**
**F495-99a(2011)** Test Method for Weight Loss of Gasket Materials Upon Exposure to Elevated Temperatures, **09.02**
**F496-08** Specification for In-Service Care of Insulating Gloves and Sleeves, **10.03**
**F497-00(2009)** Practice for Use of the Electric and Electronic Typewriter as a Test Instrument, **15.09**
**F498-12** Test Method for Center Spring Constant and Spring Constant Balance of Alpine Skis, **15.07**
*F499 Withdrawn 1992; Practice for Installation of Wood Underlayment and Preparation of the Surface to Receive Resilient Flooring*
*F500 Withdrawn 1993; Specification for Self-Curing Acrylic Resins Used in Neurosurgery*
*F501 Withdrawn 1998; Test Method for Aerospace Materials Response to Flame, With Vertical Test Specimen (for Aerospace Vehicles Standard Conditions)*
**F502-08(2013)** Test Method for Effects of Cleaning and Chemical Maintenance Materials on Painted Aircraft Surfaces, **15.03**
*F503 Withdrawn 1988; Recommended Practice for Preparing Aircraft Cleaning Compounds, Liquid-Pipe, for Storage Stability Testing; Replaced by F1104, F1105*
**F504-05(2012)** Test Method for Measuring the Quasi-Static Release Moments of Alpine Ski Bindings, **15.07**
**F505-87(2011)** Practice for Comparative Evaluation of Imaging Properties of Liquid Electrostatic Toners, **15.09**
*F506 Withdrawn 2002; Practice for Assessing the Quality of Direct-Image Paper Offset Masters*
*F507 Withdrawn 1994; Practice for Mounting Wedged Beamsplitters to Maintain a Laser Beam Parallel to a Reference Surface*
*F508 Withdrawn 2008; Practice for Specifying Thick-Film Pastes*
**F509-86(2009)** Practice for Testing One-Time Carbonizing Tissue for Pinholes, **15.09**
**F510/F510M-14** Test Method for Resistance to Abrasion of Resilient Floor Coverings Using an Abrader with a Grit Feed Method, **15.04**
**F511-11** Test Method for Quality of Cut (Joint Tightness) of Resilient Floor Tile, **15.04**
**F512-12** Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Conduit and Fittings for Underground Installation, **08.04**
**F513-12** Specification for Eye and Face Protective Equipment for Hockey Players, **15.07**
*F514 Not Assigned*
*F515 Withdrawn 1984; Specification for Polished Monocrystalline Silicon Slices*
*F516 Withdrawn 1988; Method for Laboratory Test for Force and Moment Properties of Passenger Car Tires*
*F517 Withdrawn 1994; Practice for Aligning a Visible Beam from a Continuous-Wave Laser at a Desired Distance from a Reference Surface*
*F518 Withdrawn 1996; Practice for Determining Effective Adhesion of Photoresist to Hard-Surface Photomask Blanks and Semiconductor Wafers During Etching*
**F519-13** Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating/Coating Processes and Service Environments, **15.03**
**F520-10** Test Method for Environmental Resistance of Aerospace Transparencies to Artificially Induced Exposures, **15.03**
**F521-83(2010)** Test Methods for Bond Integrity of Transparent Laminates, **15.03**
*F522 Withdrawn 1998; Test Method for Stacking Fault Density of Epitaxial Layers of Silicon by Interference-Contrast Microscopy; Replaced by F1810*
*F523 Withdrawn 2003; Practice for Unaided Visual Inspection of Polished Silicon Wafer Surfaces*
*F524 Withdrawn 2001; Tentative Test Methods for Measuring Beam Divergence of Pulsed Lasers by the Apertured-Detector Technique*
*F525 Withdrawn 2003; Test Method for Measuring Resistivity of Silicon Wafers Using a Spreading Resistance Probe*
**F526-11** Test Method for Using Calorimeters for Total Dose Measurements in Pulsed Linear Accelerator or Flash X-ray Machines, **12.02**
*F527 Withdrawn 1996; Practice for Adjusting Photoresist Exposure Time*
*F528 Withdrawn 2011; Test Method of Measurement of Common-Emitter DC Current Gain of Junction Transistors*
*F529 Withdrawn 1994; Test Method for Interpretation of Interferograms of Nominally Plane Wavefronts*
*F530 Withdrawn 1994; Test Method for Wavefront Distortion of Laser Rods*
*F531 Withdrawn 1994; Test Methods for Wavefront Distortion and Face Parallelism of Laser Disks*
*F532 Withdrawn 1994; Test Methods for Measuring Width of Defects in Optical Surfaces, Using Nomarski Differential Microscopy*
*F533 Withdrawn 2003; Test Method for Thickness and Thickness Variation of Silicon Wafers*

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*F535 Withdrawn 1985; Specification for Electrical Performance Characteristics of Vacuum Cleaners*
*F536 Withdrawn 2004; Test Method for Size of Resilient Floor Tile by Dial Gage Method*
**F537-01(2007)** Specification for Design, Fabrication, and Installation of Fences Constructed of Wood and Related Materials, **01.06**
**F538-13** Terminology Relating to the Characteristics and Performance of Tires, **09.02**
**F539-01(2011)** Practice for Fitting Athletic Footwear, **15.07**
*F540 Withdrawn 2004; Test Method for Squareness of Resilient Floor Tile by Gage Method*
**F541-12** Specification for Alloy Steel Eyebolts, **01.08**
*F542 Withdrawn 2013; Test Method for Exothermic Temperature of Encapsulating Compounds for Electronic and Microelectronic Encapsulation*
**F543-13ε1** Specification and Test Methods for Metallic Medical Bone Screws, **13.01**
*F544 Withdrawn 1998; Reference Chart for Pictorial Cortical Bone Screw Classification*
*F545 Withdrawn 2001; Specification for PVC and ABS Injected Solvent Cemented Plastic Pipe Joints*
*F546 Withdrawn 2002; Specification forPerfluoro (Ethylene-Propylene) Copolymer (FEP) Plastic-Lined Ferrous Metal Pipe and Fittings*
**F547-06(2012)** Terminology of Nails for Use with Wood and Wood-Base Materials, **01.08**
**F548-09** Test Method for Intensity of Scratches on Aerospace Transparent Plastics, **15.03**
**F549-85(2011)** Terminology Relating to Carbonless Copy Products, **15.09**
*F550 Withdrawn 2002; Test Method for Lithographic Properties of Imaging Materials*
*F551 Withdrawn 2009; Practice for Using a 67.23-in. (1.707-m) Diameter Laboratory Test Roadwheel in Testing Tires*
**F551/F551M-09a** Practice for Using a 1.707-m 67.23-in. Diameter Laboratory Test Roadwheel in Testing Tires, **09.02**
**F552-02(2013)** Terminology Relating to Chain Link Fencing, **01.06**
*F553 Withdrawn 1998; Test Method for Carbon Paper and Carbon Film Durability*
*F554 Withdrawn 1988; Test Method for Wet Cornering Traction of Tires Using Over-the-Road Tire Tester*
**F555-01(2011)** Test Method for Motor Life Evaluation of an Upright Vacuum Cleaner, **15.08**
**F556-88(2011)** Test Method for Curl of Carbonless Copy Papers, **15.09**
*F557 Withdrawn 1986; Test Method for Relative Work for Straight-Line Movement of Cleaners While Cleaning Carpets*
**F558-13** Test Method for Measuring Air Performance Characteristics of Vacuum Cleaners, **15.08**
**F559-05(2010)** Test Method for Measuring Length of Road Test Courses Using a Fifth Wheel, **09.02**
**F560-13ε1** Specification for Unalloyed Tantalum for Surgical Implant Applications (UNS R05200, UNS R05400), **13.01**
**F561-13** Practice for Retrieval and Analysis of Medical Devices, and Associated Tissues and Fluids, **13.01**
**F562-13** Specification for Wrought 35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy for Surgical Implant Applications (UNS R30035), **13.01**
*F563 Withdrawn 2005; Specification for Wrought Cobalt -20Nickel-3.5 Molybdenum-3.5Tungsten-5Iron Alloy for Surgical Implant Applications (UNS R30563)*
**F564-10** Specification and Test Methods for Metallic Bone Staples, **13.01**
**F565-04(2013)** Practice for Care and Handling of Orthopedic Implants and Instruments, **13.01**
*F566 Not Assigned*
**F567-11a** Practice for Installation of Chain-Link Fence, **01.06**
*F568M Withdrawn 2012; Specification for Carbon and Alloy Steel Externally Threaded Metric Fasteners*
*F569 Withdrawn 1989; Test Method for Filterability Index of Reagent-Grade Water and High-Purity Waters for Microelectronic Device Processing*
*F570 Withdrawn 1995; Test Methods for Transistor Collector-Emitter Saturation Voltage*
**F571-87(2008)** Practice for Installation of Exit Devices in Security Areas, **15.08**
*F572 Withdrawn 2001; Practice for Application of Film Security Cameras in Financial Institutions*
*F573 Withdrawn 1993; Specification for Residential Zinc-Coated Steel Chain-Link Fence Fabric*
*F574 Withdrawn 1996; Test Method for Evaluation of Polysilicon; Replaced by F1723*
*F575 Withdrawn 1982; Classification for Particle Concentration in Liquids*
*F576 Withdrawn 2003; Test Method for Measurement of Insulator Thickness and Refractive Index on Silicon Substrates by Ellipsometry*
**F577-03(2009)** Test Method for Particle Size Measurement of Dry Toners, **15.09**
*F578 Withdrawn 1994; Test Method for Lasing Threshold and Slope Efficiency of Neodymium-Doped Laser Rods*
*F579 Withdrawn 1994; Test Method for Face Flatness By Optical Non-Contact Technique*
*F580 Withdrawn 1996; Test Method for Adhesion Strength of Bondable Films to Substrates in Ribbon-Wire Bonds*
*F581 Withdrawn 1996; Practice for Accelerated Agiing of Photoresist*
*F582 Withdrawn 1996; Practice for Preparation of Photoresist for Analysis of Inorganic Contaminants*
*F583 Withdrawn 1996; Test Method for Photoresist Cleanness—Filterability*
**F584-06ε1** Practice for Visual Inspection of Semiconductor Lead-Bonding Wire, **10.04**
**F585-13** Guide for Insertion of Flexible Polyethylene Pipe Into Existing Sewers, **08.04**
*F586 Withdrawn 1998; Test Method for Leak Rates Versus y Stresses and m Factors for Gaskets*
*F587 Withdrawn 1995; Practice for Sampling Ground Meat in Blenders*
**F588-14** Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact, **04.12**
**F589-12** Consumer Safety Specification for Non-Powder Guns, **15.11**
**F590-12** Consumer Safety Specification for Non-Powder Gun Projectiles and Propellants, **15.11**
*F591 Withdrawn 1989; Practice for Using the Computer Impact Print-Out Unit as a Test Instrument*
**F592-84(2012)** Terminology of Collated and Cohered Fasteners and Their Application Tools, **01.08**
**F593-13** Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs, **01.08**
**F594-09ε1** Specification for Stainless Steel Nuts, **01.08**
*F595 Withdrawn 2011; Test Methods for Vacuum Cleaner Hose—Durability and Reliability (All-Plastic Hose)*
**F596-09** Practice for Comparative Evaluation of the Imaging Properties of Dry Electrostatic Toners, **15.09**
**F597-83(2008)** Practice for Evaluation of One-Time Carbon Paper in Carbon-Interleaved Business Forms by Use of an Electric Typewriter, **15.09**
**F598-00(2009)** Practice for Determining the Resistance of Carbonless Papers to Capsular Damage, **15.09**
*F599 Specification for Withdrawn 2004: Specification for Poly(Vinylidene Chloride) (PVDC) Plastic-Lined Ferrous Metal Pipe and Fittings*
*F600 Withdrawn 1991; Practice for Nondestructive Testing Ultrasonic Evaluation of Socket and Butt Joints of Thermoplastic Piping*
**F601-13** Practice for Fluorescent Penetrant Inspection of Metallic Surgical Implants, **13.01**
**F602-09** Criteria for Implantable Thermoset Epoxy Plastics, **13.01**
**F603-12** Specification for High-Purity Dense Aluminum Oxide for Medical Application, **13.01**
*F604 Withdrawn 2001; Specification for Silicone Elastomers Used in Medical Applications*
**F605-88(2011)** Practice for Determining Compatibility of One-Time Carbon Paper with Carbonless Copy Papers When Interleaved into the Same Manifold Set, **15.09**
**F606-11a** Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets, **01.08**
**F606M-13** Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, and Rivets (Metric), **01.08**
**F607-03(2008)** Test Method for Adhesion of Gasket Materials to Metal Surfaces, **09.02**
**F608-13** Test Method for Evaluation of Carpet Embedded Dirt Removal Effectiveness of Household/Commercial Vacuum Cleaners, **15.08**
**F609-05(2013)** Test Method for Using a Horizontal Pull Slipmeter (HPS), **15.07**
**F610/F610M-10** Test Method for Evaluating the Quality of Molded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings by the Heat Reversion Technique, **08.04**
*F611 Withdrawn 1994; Test Method for Wavefront Distortion of Nominally Plane Optical Elements Due to Refractive Index Inhomogeneity*
*F612 Withdrawn 1993; Practice for Cleaning Surfaces of Polished Silicon Slices*
*F613 Withdrawn 2001; Test Method for Measuring Diameter of Semiconductor Wafers*
*F614 Withdrawn 1996; Test Method for Distortion of Optical Lenses Used in Photomask Fabrication*
*F615 Withdrawn 1995; Replaced by F615M*
**F615M-95(2013)** Practice for Determining Safe Current Pulse-Operating Regions for Metallization on Semiconductor Components (Metric), **10.04**
*F616M Withdrawn 2009; Test Method for Measuring MOSFET Drain Leakage Current [Metric]*
*F617 Withdrawn 2006; Test Method for Measuring MOSFET Linear Threshold Voltage*
*F618 Withdrawn 1985; Method for Measuring MOSFET Saturated Threshold Voltage*
**F619-14** Practice for Extraction of Medical Plastics, **13.01**
**F620-11** Specification for Titanium Alloy Forgings for Surgical Implants in the Alpha Plus Beta Condition, **13.01**
**F621-12** Specification for Stainless Steel Forgings for Surgical Implants, **13.01**
*F622 Withdrawn 2011; Specification for Preformed Cranioplasty Plates That Can Be Altered*
**F623-99(2013)** Performance Specification for Foley Catheter, **13.01**
**F624-09** Guide for Evaluation of Thermoplastic Polyurethane Solids and Solutions for Biomedical Applications, **13.01**
**F625/F625M-94(2011)ε2** Practice for Classifying Water Bodies for Spill Control Systems, **11.05**
**F626-08(2013)** Specification for Fence Fittings, **01.06**
**F627-99(2008)** Practice for Testing Flake of Single-Strike Film Typewriter Ribbons, **15.09**

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**F628-12ε1** Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core, **08.04**
**F629-11** Practice for Radiography of Cast Metallic Surgical Implants, **13.01**
*F630 Withdrawn 1988; Specification for Safety Consideration for Household Vacuum Cleaners*
**F631-99(2008)** Guide for Collecting Skimmer Performance Data in Controlled Environments, **11.05**
*F632 Withdrawn 1995; Test Method for Measuring Small-Signal Common Emitter Current Gain of Transistors at High Frequencies*
*F633 Withdrawn 1988; Practice for Use of the High-Speed Printer as a Test Instrument for Carbon Paper; Replaced by F1175*
*F634 Withdrawn 1986; Practice for Measurement of the Coating Transfer Resistance of Mechanical Carbonless CB Paper*
*F635 Withdrawn 1996; Guide for Selection of Tests for Material Properties of Liquid Thermoset Encapsulating Compounds for Electronic and Microelectronic Encapsulation*
*F636 Withdrawn 1996; Guide for Selection of Tests for Material Properties of Transfer Molding Compounds for Electronic and Microelectronic Encapsulation*
*F637 Withdrawn 2006; Specification for Format, Physical Properties, and Test Methods for 19 and 35 mm Testable Tape Carrier for Perimeter Tape Carrier-Bonded Semiconductor Devices*
*F638 Withdrawn 2006; Specification for Fine Aluminum—1 % Magnesium Wire for Semiconductor Lead-Bonding*
**F639-09** Specification for Polyethylene Plastics for Medical Applications, **13.01**
**F640-12** Test Methods for Determining Radiopacity for Medical Use, **13.01**
**F641-09** Specification for Implantable Epoxy Electronic Encapsulants, **13.01**
*F642 Withdrawn 1995; Specification for Stainless Steel Flexible Wire for Surgical Fixations for Soft Tissue*
*F643 Withdrawn 1993; Specification for Wrought Cobalt-Chromium Alloy Flexible Wire for Surgical Fixations for Soft Tissue; Replaced by F1091*
*F644 Withdrawn 1993; Specification for Wrought Cobalt-Chromium Alloy Flexible Wire for Surgical Fixations for Bone; Replaced by F1091*
**F645-13** Guide for Selection, Design, and Installation of Thermoplastic Water-Pressure Piping Systems, **08.04**
*F646 Not Assigned*
**F647-94(2006)** Practice for Evaluating and Specifying Implantable Shunt Assemblies for Neurosurgical Application, **13.01**
**F648-14** Specification for Ultra-High-Molecular-Weight Polyethylene Powder and Fabricated Form for Surgical Implants, **13.01**
*F649 Withdrawn 2007; Practice for Secondary Calibration of Airborne Particle Counter Using Comparison Procedures*
*F650 Withdrawn 1990; Practice for Determining Relative Bias of Two Particle Counters Using Comparison Procedures*
*F651 Withdrawn 1988; Method for Particle Counter Single-Point Calibration by the Median Method*
*F652 Withdrawn 1992; Methods for Measuring Mica Stampings or Substitutes Used in Electron Devices and Lamps*
*F653 Withdrawn 2002; Test Method for Evaluation of Electrostatic Masters*
**F654-07(2012)** Specification for Residential Chain Link Fence Gates, **01.06**
**F655-13** Specification for Test Carpets and Pads for Vacuum Cleaner Testing, **15.08**
**F656-10** Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings, **08.04**
*F657 Withdrawn 2003; Test Method for Measuring Warp and Total Thickness Variation on Silicon Wafers by Noncontact Scanning*
*F658 Withdrawn 2007; Practice for Calibration of a Liquid-Borne Particle Counter Using an Optical System Based Upon Light Extinction*
**F659-10** Specification for Ski and Snowboard Goggles, **15.07**
**F660-83(2013)** Practice for Comparing Particle Size in the Use of Alternative Types of Particle Counters, **11.01**
*F661 Withdrawn 2000; Practice for Particle Count and Size Distribution Measurement in Batch Samples for Filter Evaluation Using an Optical Particle Counter*
*F662 Withdrawn 2002; Test Method for Measurement of Particle Count and Size Distribution in Batch Samples for Filter Evaluation Using an Electrical Resistance Particle Counter*
*F663 Withdrawn 1994; Practice for Manual Analysis of Interferometric Data by Least-Squares Fitting to a Plane Reference Surface*
*F664 Withdrawn 1994; Practice for Manual Analysis of Interferometric Data by Least-Squares Fitting Spherical Reference Surface & Computer-Aided Analysis by Least-Squares Fitting to Both Plane/Spherical Reference Surfaces*
**F665-09** Classification for Vinyl Chloride Plastics Used in Biomedical Application, **13.01**
*F666 Withdrawn 1993; Specification for Stainless Steel Flexible Wire for Surgical Fixation for Bone; Replaced by F1350*
**F667-12** Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings, **08.04**
**F668-11** Specification for Polyvinyl Chloride (PVC), Polyolefin and Other Polymer-Coated Steel Chain Link Fence Fabric, **01.06**
*F669 Withdrawn 1995; Specification for Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence; Replaced by F1043*
**F670-02(2012)** Specification for Tanks, 5 and 10-Gal (20 and 40-L) Lube Oil Dispensing, **01.07**
*F671 Withdrawn 2003; Test Method for Measuring Flat Length on Wafers of Silicon and Other Electronic Materials*
*F672 Withdrawn 2003; Test Method for Measuring Resistivity Profiles Perpendicular to the Surface of a Silicon Wafer Using a Spreading Resistance Probe*
*F673 Withdrawn 2003; Test Methods for Measuring Resistivity of Semiconductor Slices or Sheet Resistance of Semiconductor Films with a Noncontact Eddy-Current Gage*
*F674 Withdrawn 2003; Practice for Preparing Silicon for Spreading Resistance Measurements*
*F675 Withdrawn 1995; Test Method for Measuring Nonequilibrium Transient Photocurrents in p-n* Junctions
*F676 Withdrawn 2009; Test Method for Measuring Unsaturated TTL Sink Current*
*F677 Withdrawn 2013; Test Method for Fluid and Grease Resistance of Thermoset Encapsulating Compounds Used in Electronic and Microelectronic Applications*
*F678 Withdrawn 1989; Specification for Polyethylene Gas Pressure Pipe Tubing and Fittings; Replaced by D2513*
**F679-13** Specification for Poly(Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings, **08.04**
**F680-80(2012)** Test Methods for Nails, **01.08**
**F681-82(2008)** Practice for Use of Branch Connections, **01.07**
**F682-82a(2008)** Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings, **01.07**
**F683-10** Practice for Selection and Application of Thermal Insulation for Piping and Machinery, **01.07**
*F684 Not Assigned*
**F685-96(2011)** Practice for Determining Toner Usage, Efficiency, and Dusting Nonheat Fixing Copiers Using Single-Component Toner Systems, **15.09**
**F686-94(2011)** Practice for Evaluation of Image Quality Produced by Carbonless Copy Paper with an Electric or Electronic Typewriter, **15.09**
*F687 Withdrawn 1988; Practice for On-Site Calibration of Liquid-Borne Automatic Particle Counters With Adjustable Individual Size Thresholds*
**F688-10** Specification for Wrought Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Plate, Sheet, and Foil for Surgical Implants (UNS R30035), **13.01**
**F689-97(2011)** Practice for Determination of the Temperature of Above-Ground Plastic Gas Pressure Pipe Within Metallic Casings, **08.04**
*F690 Withdrawn 2012; Practice for Underground Installation of Thermoplastic Pressure Piping Irrigation Systems*
*F691 Withdrawn 1996; Practice for Preparing Photoplates for Measuring Flatness Deviation*
*F692 Withdrawn 2008; Test Method for Measuring Adhesion Strength of Solderable Films to Substrates*
**F693-01(2012)** Practice for Sealing Seams of Resilient Sheet Flooring Products by Use of Liquid Seam Sealers, **15.04**
*F694 Withdrawn 2008; Test Method for Heel-Attaching Strength of Women's Shoes; Replaced by F2232*
**F695-01(2009)** Practice for Ranking of Test Data Obtained for Measurement of Slip Resistance of Footwear Sole, Heel, and Related Materials, **15.07**
**F696-06(2011)** Specification for Leather Protectors for Rubber Insulating Gloves and Mittens, **10.03**
**F697-00(2006)** Practice for Care and Use of Athletic Mouth Protectors, **15.07**
*F698 Withdrawn 2009; Specification for Physical Information to be Provided for Amusement Rides and Devices*
*F699 Withdrawn 2005; Practice for Accelerated Conditioning of Polybutylene Pipe and Tubing for Subsequent Quality Control Testing*
**F700-93(2008)** Practice for Care and Handling of Intracranial Aneurysm Clips and Instruments, **13.01**
**F701-81(2008)** Practice for Care and Handling of Neurosurgical Implants and Instruments, **13.01**
**F702-10** Specification for Polysulfone Resin for Medical Applications, **13.01**
**F703-07** Specification for Implantable Breast Prostheses, **13.01**
**F704-81(2009)** Practice for Selecting Bolting Lengths for Piping System Flanged Joints, **01.07**
*F705 Not Assigned*
**F706-96(2011)** Practice for Determination of Fusion Temperature of Dry Electrostatic Heat-Fixing Toners, **15.09**
**F707/F707M-94(2011)** Specification for Modular Gauge Boards, **01.07**
**F708-92(2008)** Practice for Design and Installation of Rigid Pipe Hangers, **01.07**
*F709 Withdrawn 1993; Specification for Gasket—Asbestos Metallic Cloth Material*
**F710-11** Practice for Preparing Concrete Floors to Receive Resilient Flooring, **15.04**
**F711-02(2013)** Specification for Fiberglass-Reinforced Plastic (FRP) Rod and Tube Used in Live Line Tools, **10.03**
**F712-06(2011)** Test Methods and Specifications for Electrically Insulating Plastic Guard Equipment for Protection of Workers, **10.03**
*F713 Not Assigned*
**F714-13** Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter, **08.04**
**F715-07(2012)** Test Methods for Coated Fabrics Used for Oil Spill Control and Storage, **11.05**
**F716-09** Test Methods for Sorbent Performance of Absorbents, **11.05**
**F717-10** Specification for Football Helmets, **15.07**
**F718-07(2011)ε1** Specification for Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet, **01.07**
**F719-81(2012)** Practice for Testing Biomaterials in Rabbits for Primary Skin Irritation, **13.01**
**F720-13** Practice for Testing Guinea Pigs for Contact Allergens: Guinea Pig Maximization Test, **13.01**
**F721-81(2008)** Specification for Gage Piping Assemblies, **01.07**

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**F722-82(2008)** Specification for Welded Joints for Shipboard Piping Systems, **01.07**
*F723 Withdrawn 2003; Practice for Conversion Between Resistivity and Dopant Density for Boron-Doped, Phosphorus-Doped, and Arsenic-Doped Silicon*
**F724-94a(2010)ε1** Test Method for Outdoor Evaluation of Tire Sidewall Component Cracking Resistance, **09.02**
**F725-03(2013)** Practice for Drafting Impact Test Requirements In Thermoplastic Pipe And Fittings Standards, **08.04**
**F726-12** Test Method for Sorbent Performance of Adsorbents, **11.05**
*F727 Withdrawn 1996; Test Method for Measuring Transmittance of See-Through Photoplate*
*F728 Withdrawn 2003; Practice for Preparing an Optical Microscope for Dimensional Measurements*
*F729 Withdrawn 1992; Test Methods for Temperature Coefficient of Resistance of Film Resistors*
*F730 Withdrawn 1993; Test Methods for Hermeticity of Electron Devices by a Weight-Gain Test*
*F731 Not Assigned*
**F732-00(2011)** Test Method for Wear Testing of Polymeric Materials Used in Total Joint Prostheses, **13.01**
**F733-09** Practice for Optical Distortion and Deviation of Transparent Parts Using the Double-Exposure Method, **15.03**
**F734-95(2011)** Test Method for Shear Strength of Fusion Bonded Polycarbonate Aerospace Glazing Material, **15.03**
**F735-11** Test Method for Abrasion Resistance of Transparent Plastics and Coatings Using the Oscillating Sand Method, **15.03**
**F736-95(2011)** Test Method for Impact Resistance of Monolithic Polycarbonate Sheet by Means of a Falling Weight, **15.03**
*F737 Withdrawn 2002; Performance Specification for Ice Hockey Skate Blades*
**F738M-02(2008)** Specification for Stainless Steel Metric Bolts, Screws, and Studs, **01.08**
**F739-12** Test Method for Permeation of Liquids and Gases through Protective Clothing Materials under Conditions of Continuous Contact, **11.03**
*F740 Withdrawn 2002; Definition of Terms Relating to Filtration*
*F741 Withdrawn 1994; Test Method for Determining the Crystallographic Axes and Contrast Ratio of a Pockels Cell Electro-Optic Crystal Operating in the Longitudinal Mode*
*F742 Withdrawn 1994; Practice for Evaluating an Interferometer*
*F743 Withdrawn 1995; Test Method for Measuring Contrast Ratio of a Pair of Linear Polarizers for Visible Radiation*
**F744M-10** Test Method for Measuring Dose Rate Threshold for Upset of Digital Integrated Circuits (Metric), **10.04**
*F745 Withdrawn 2012; Specification for 18Chromium-12.5Nickel-2.5Molybdenum Stainless Steel for Cast and Solution-Annealed Surgical Implant Applications*
**F746-04(2009)ε1** Test Method for Pitting or Crevice Corrosion of Metallic Surgical Implant Materials, **13.01**
**F747-06** Terminology Relating to Amusement Rides and Devices, **15.07**
**F748-06(2010)** Practice for Selecting Generic Biological Test Methods for Materials and Devices, **13.01**
**F749-13** Practice for Evaluating Material Extracts by Intracutaneous Injection in the Rabbit, **13.01**
**F750-87(2012)** Practice for Evaluating Material Extracts by Systemic Injection in the Mouse, **13.01**
*F751 Withdrawn 2003; Test Method for Measuring Particle Size of Wide-Size Range Dry Toners*
*F752 Withdrawn 1994; Test Method for Effective Series Resistance (ESR) and Capacitance of Multilayer Ceramic Capacitors at High Frequencies*
*F753 Withdrawn 1998; Classification of Brassieres*
**F754-08** Specification for Implantable Polytetrafluoroethylene (PTFE) Sheet, Tube, and Rod Shapes Fabricated from Granular Molding Powders, **13.01**
**F755-99(2011)** Specification for Selection of Porous Polyethylene for Use in Surgical Implants, **13.01**
**F756-13** Practice for Assessment of Hemolytic Properties of Materials, **13.01**
*F757 Withdrawn 2006; Test Method for Determining Energy Consumption of Copier and Copier-Duplicating Equipment; Replaced by F2495*
**F758-95(2007)ε1** Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Plastic Underdrain Systems for Highway, Airport, and Similar Drainage, **08.04**
*F759 Withdrawn 1995; Specification for Hot Chocolate Beverage Dispensers*
**F760-93(2012)** Specification for Food Service Equipment Manuals, **15.12**
*F761 Withdrawn 2003; Specification for Strength Requirements of Tubular Steel Posts and Rails for Residential Chain-Link Fence*
**F762/F762M-08** Test Method for Determining Change in Groove (or Void) Depth With Distance Traveled for Passenger Car Tires, **09.02**
**F763-04(2010)** Practice for Short-Term Screening of Implant Materials, **13.01**
*F764 Withdrawn 2003; Practice for Compatibility of Materials with High-Energy Propellants (Impact Sensitivity Threshold Technique)*
**F765-93(2012)ε1** Specification for Wildcats, Ship Anchor Chain, **01.07**
**F766/F766M-82(2010)ε1** Test Method for Melting Point of Waxes, **15.09**
**F767-98(2013)** Test Method for Image Stability of Chemical Carbonless Paper to Light, **15.09**
*F768 Withdrawn 1994; Test Method for Specular Reflectance and Transmittance Measurements of Optically Flat-Coated and Non-Coated Specimens*
*F769 Withdrawn 2006; Test Method for Measuring Transistor and Diode Leakage Currents*
**F770-14** Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices, **15.07**
**F771-99(2005)** Specification for Polyethylene (PE) Thermoplastic High-Pressure Irrigation Pipeline Systems, **08.04**
*F772 Withdrawn 1996; Test Method for Noise Quality of Film-Type Resistors*
**F773M-10** Practice for Measuring Dose Rate Response of Linear Integrated Circuits (Metric), **10.04**
*F774 Withdrawn 1989; Guide for Analysis of Latchup Susceptibility in Bipolar Integrated Circuits*
*F775 Withdrawn 1991; Test Method for Wafer and Slice Flatness by Interferometric, Noncontact Technique*
*F776 Withdrawn 1996; Test Method for Resistance of Materials to Horizontal Flame Propagation (for Aerospace Vehicles, Standard Conditions)*
*F777 Withdrawn 1997; Test Method for Resistance of Electrical Wire Insulation Materials to Flame at 60°; Replaced by D3032*
**F778-88(2014)** Methods for Gas Flow Resistance Testing of Filtration Media, **11.07**
**F779-12** Test Method for Torsion Characteristic of Alpine Skis, **15.07**
**F780-93a(2012)** Test Method for Linear Deformation and Breaking Strength of Alpine Skis, **15.07**
*F781 Withdrawn 2004: Specification for Perfluoro (Alkoxyalkane) Copolymer (PFA) Plastic-Lined Ferrous Metal Pipe and Fittings*
**F782-01(2012)** Specification for Doors, Furniture, Marine, **01.07**
**F783-88(2013)** Specification for Staple, Handgrab, Handle, and Stirrup Rung, **01.07**
*F784 Withdrawn 1996; Test Method for Calibrating Radioisotope Hermetic Test Apparatus*
*F785 Withdrawn 1996; Test Method for Hermeticity of Sealed Devices by a Radioisotope Test*
*F786 Withdrawn 1998; Specification for Metallic Bone Plates; Replaced by F382*
*F787 Withdrawn 1998; Specification for Metallic Nail-Plate Appliances*
**F788-13** Specification for Surface Discontinuities of Bolts, Screws, and Studs, Inch and Metric Series, **01.08**
*F789 Withdrawn 2004: Specification for Type PS-46 and Type PS-115 Poly(Vinyl Chloride) (PVC) Plastic Gravity Flow Sewer Pipe and Fittings*
**F790-08(2013)** Guide for Testing Materials for Aerospace Plastic Transparent Enclosures, **15.03**
**F791-96(2013)** Test Method for Stress Crazing of Transparent Plastics, **15.03**
**F792-08** Practice for Evaluating the Imaging Performance of Security X-Ray Systems, **15.08**
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**F3071-14** Guide for Basic Wilderness GPS/GNSS Use (GPS/GNSS-IW) Endorsement, **13.02**
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**F3080-14** Practice for Laser Technologies for Measurement of Cross-Sectional Shape of Pipeline and Conduit by Non-Rotating Laser Projector and CCTV Camera System, **04.12**
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**F3088-14** Test Method for Use of a Centrifugation Method to Quantify/Study Cell-Material Adhesive Interactions, **13.02**
**F3089-14** Guide for Characterization and Standardization of Polymerizable Collagen-Based Products and Associated Collagen-Cell Interactions, **13.02**
**F3092-14** Terminology Relating to Optical Fiber Sensing Systems, **04.12**
**F3094-14** Test Method for Determining Protection Provided by X-ray Shielding Garments Used in Medical X-ray Fluoroscopy from Sources of Scattered X-Rays, **11.03**
**F3095-14** Practice for Laser Technologies for Direct Measurement of Cross Sectional Shape of Pipeline and Conduit by Rotating Laser Diodes and CCTV Camera System, **04.12**
**F3099-14** Practices for Parasailing, **15.07**
**F3103-14** Specification for Testing Off-Road Motorcycle and ATV Helmets, **15.07**

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# G. CORROSION, DETERIORATION, AND DEGRADATION OF MATERIALS

**G1-03(2011)** Practice for Preparing, Cleaning, and Evaluating Corrosion Test Specimens, **03.02**

*G2M Withdrawn 2004; Test Method for Corrosion Testing of Products of Zirconium, Hafnium, and Their Alloys in Water at 633°K or in Steam at 673°K [Metric]*

**G2/G2M-06(2011)ε1** Test Method for Corrosion Testing of Products of Zirconium, Hafnium, and Their Alloys in Water at 680°F (360°C) or in Steam at 750°F (400°C), **02.04**

**G3-13** Practice for Conventions Applicable to Electrochemical Measurements in Corrosion Testing, **03.02**

**G4-01(2008)** Guide for Conducting Corrosion Tests in Field Applications, **03.02**

**G5-13ε2** Reference Test Method for Making Potentiodynamic Anodic Polarization Measurements, **03.02**

**G6-07(2013)** Test Method for Abrasion Resistance of Pipeline Coatings, **06.02**

**G7/G7M-13** Practice for Atmospheric Environmental Exposure Testing of Nonmetallic Materials, **14.04**

**G8-96(2010)** Test Methods for Cathodic Disbonding of Pipeline Coatings, **06.02**

**G9-07(2013)ε1** Test Method for Water Penetration into Pipeline Coatings, **06.02**

**G10-10** Test Method for Specific Bendability of Pipeline Coatings, **06.02**

**G11-04(2012)** Test Method for Effects of Outdoor Weathering on Pipeline Coatings, **06.02**

**G12-07(2013)** Test Method for Nondestructive Measurement of Film Thickness of Pipeline Coatings on Steel, **06.02**

*G13 Withdrawn 2003; Test Method for Impact Resistance of Pipeline Coatings(Limestone Drop Test)*

**G13/G13M-13** Test Method for Impact Resistance of Pipeline Coatings, **06.02**

**G14-04(2010)ε1** Test Method for Impact Resistance of Pipeline Coatings (Falling Weight Test), **06.02**

*G15 Withdrawn 2010; Terminology Relating to Corrosion and Corrosion Testing*

**G16-13** Guide for Applying Statistics to Analysis of Corrosion Data, **03.02**

**G17-07(2013)** Test Method for Penetration Resistance of Pipeline Coatings (Blunt Rod), **06.02**

**G18-07(2013)** Test Method for Joints, Fittings, and Patches in Coated Pipelines, **06.02**

*G19 Withdrawn 2010; Test Method for Disbonding Characteristics of Pipeline Coatings by Direct Soil Burial*

**G20-10** Test Method for Chemical Resistance of Pipeline Coatings, **06.02**

**G21-13** Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi, **14.04**

*G22 Withdrawn 2002; Practice for Determining Resistance of Plastics to Bacteria*

*G23 Withdrawn 2000; Practice for Operating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials; Replaced by G152, G153*

**G24-13** Practice for Conducting Exposures to Daylight Filtered Through Glass, **14.04**

*G25 Withdrawn 1980; Recommended Practice for Operating Enclosed Carbon Arc Type Apparatus for Light Exposure of Nonmetallic Materials; Replaced by G23*

*G26 Withdrawn 2000; Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials; Replaced by G155*

*G27 Withdrawn 1980; Recommended Practice for Operating Xenon Arc Type Apparatus for Light Exposure of Nonmetallic Materials; Replaced by G26*

**G28-02(2008)** Test Methods for Detecting Susceptibility to Intergranular Corrosion in Wrought, Nickel-Rich, Chromium-Bearing Alloys, **03.02**

**G29-96(2010)** Practice for Determining Algal Resistance of Plastic Films, **14.04**

**G30-97(2009)** Practice for Making and Using U-Bend Stress-Corrosion Test Specimens, **03.02**

**G31-12a** Guide for Laboratory Immersion Corrosion Testing of Metals, **03.02**

**G32-10** Test Method for Cavitation Erosion Using Vibratory Apparatus, **03.02**

**G33-99(2010)** Practice for Recording Data from Atmospheric Corrosion Tests of Metallic-Coated Steel Specimens, **03.02**

**G34-01(2013)** Test Method for Exfoliation Corrosion Susceptibility in 2XXX and 7XXX Series Aluminum Alloys (EXCO Test), **03.02**

**G35-98(2010)** Practice for Determining the Susceptibility of Stainless Steels and Related Nickel-Chromium-Iron Alloys to Stress-Corrosion Cracking in Polythionic Acids, **03.02**

**G36-94(2013)** Practice for Evaluating Stress-Corrosion-Cracking Resistance of Metals and Alloys in a Boiling Magnesium Chloride Solution, **03.02**

**G37-98(2011)** Practice for Use of Mattson's Solution of pH 7.2 to Evaluate the Stress-Corrosion Cracking Susceptibility of Copper-Zinc Alloys, **03.02**

**G38-01(2013)** Practice for Making and Using C-Ring Stress-Corrosion Test Specimens, **03.02**

**G39-99(2011)** Practice for Preparation and Use of Bent-Beam Stress-Corrosion Test Specimens, **03.02**

**G40-13** Terminology Relating to Wear and Erosion, **03.02**

**G41-90(2013)** Practice for Determining Cracking Susceptibility of Metals Exposed Under Stress to a Hot Salt Environment, **03.02**

**G42-11** Test Method for Cathodic Disbonding of Pipeline Coatings Subjected to Elevated Temperatures, **06.02**

*G43 Withdrawn 1987; Method of Acidified Synthetic Sea Water (Fog) Testing; Replaced by G85*

**G44-99(2013)** Practice for Exposure of Metals and Alloys by Alternate Immersion in Neutral 3.5 % Sodium Chloride Solution, **03.02**

*G45 Withdrawn 1981; Recommended Practice for Specifying Limits for Fading and Discoloration of Nonmetallic Materials*

**G46-94(2013)** Guide for Examination and Evaluation of Pitting Corrosion, **03.02**

**G47-98(2011)** Test Method for Determining Susceptibility to Stress-Corrosion Cracking of 2XXX and 7XXX Aluminum Alloy Products, **03.02**

**G48-11** Test Methods for Pitting and Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution, **03.02**

**G49-85(2011)** Practice for Preparation and Use of Direct Tension Stress-Corrosion Test Specimens, **03.02**

**G50-10** Practice for Conducting Atmospheric Corrosion Tests on Metals, **03.02**

**G51-95(2012)** Test Method for Measuring pH of Soil for Use in Corrosion Testing, **03.02**

**G52-00(2011)** Practice for Exposing and Evaluating Metals and Alloys in Surface Seawater, **03.02**

*G53 Withdrawn 2000; Practice for Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials; Replaced by G154*

*G54 Withdrawn 2002; Practice for Simple Static Oxidation Testing*

**G55-07(2013)** Test Method for Evaluating Pipeline Coating Patch Materials, **06.02**

**G56-10** Test Method for Abrasiveness of Ink-Impregnated Fabric Printer Ribbons and Other Web Materials, **03.02**

**G57-06(2012)** Test Method for Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method, **03.02**

**G58-85(2011)** Practice for Preparation of Stress-Corrosion Test Specimens for Weldments, **03.02**

**G59-97(2014)** Test Method for Conducting Potentiodynamic Polarization Resistance Measurements, **03.02**

**G60-01(2013)** Practice for Conducting Cyclic Humidity Exposures, **03.02**

**G61-86(2014)** Test Method for Conducting Cyclic Potentiodynamic Polarization Measurements for Localized Corrosion Susceptibility of Iron-, Nickel-, or Cobalt-Based Alloys, **03.02**

**G62-07(2013)** Test Methods for Holiday Detection in Pipeline Coatings, **06.02**

**G63-99(2007)** Guide for Evaluating Nonmetallic Materials for Oxygen Service, **14.04**

**G64-99(2013)** Classification of Resistance to Stress-Corrosion Cracking of Heat-Treatable Aluminum Alloys, **03.02**

**G65-04(2010)** Test Method for Measuring Abrasion Using the Dry Sand/Rubber Wheel Apparatus, **03.02**

**G66-99(2013)** Test Method for Visual Assessment of Exfoliation Corrosion Susceptibility of 5XXX Series Aluminum Alloys (ASSET Test), **03.02**

**G67-13** Test Method for Determining the Susceptibility to Intergranular Corrosion of 5XXX Series Aluminum Alloys by Mass Loss After Exposure to Nitric Acid (NAMLT Test), **03.02**

*G68 Withdrawn 1992; Practice for Liquid Sodium Corrosion Testing of Metals and Alloys*

**G69-12** Test Method for Measurement of Corrosion Potentials of Aluminum Alloys, **03.02**

*G70 Withdrawn 2013; Test Method for Ring Bendability of Pipeline Coatings (Squeeze Test)*

**G71-81(2014)** Guide for Conducting and Evaluating Galvanic Corrosion Tests in Electrolytes, **03.02**

**G72/G72M-09** Test Method for Autogenous Ignition Temperature of Liquids and Solids in a High-Pressure Oxygen-Enriched Environment, **14.04**

**G73-10** Test Method for Liquid Impingement Erosion Using Rotating Apparatus, **03.02**

**G74-13** Test Method for Ignition Sensitivity of Nonmetallic Materials and Components by Gaseous Fluid Impact, **14.04**

**G75-07(2013)** Test Method for Determination of Slurry Abrasivity (Miller Number) and Slurry Abrasion Response of Materials (SAR Number), **03.02**

**G76-13** Test Method for Conducting Erosion Tests by Solid Particle Impingement Using Gas Jets, **03.02**

**G77-05(2010)** Test Method for Ranking Resistance of Materials to Sliding Wear Using Block-on-Ring Wear Test, **03.02**

**G78-01(2012)** Guide for Crevice Corrosion Testing of Iron-Base and Nickel-Base Stainless Alloys in Seawater and Other Chloride-Containing Aqueous Environments, **03.02**

*G79 Withdrawn 2005; Practice for Evaluation of Metals Exposed to Carburization Environments*

*G80 Withdrawn 2013; Test Method for Specific Cathodic Disbonding of Pipeline Coatings; Replaced by Test Methods G8*

**G81-97a(2013)** Test Method for Jaw Crusher Gouging Abrasion Test, **03.02**

**G82-98(2014)** Guide for Development and Use of a Galvanic Series for Predicting Galvanic Corrosion Performance, **03.02**

*G83 Withdrawn 2005; Test Method for Wear Testing with a Crossed-Cylinder Apparatus*

**G84-89(2012)** Practice for Measurement of Time-of-Wetness on Surfaces Exposed to Wetting Conditions as in Atmospheric Corrosion Testing, **03.02**

**G85-11** Practice for Modified Salt Spray (Fog) Testing, **03.02**

**G86-98a(2011)** Test Method for Determining Ignition Sensitivity of Materials to Mechanical Impact in Ambient Liquid Oxygen and Pressurized Liquid and Gaseous Oxygen Environments, **14.04**

**G87-02(2013)** Practice for Conducting Moist SO, **03.02**

**G88-13** Guide for Designing Systems for Oxygen Service, **14.04**

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*G89 Withdrawn 1992; Methods for Cathodic Disbonding of Pipeline Coatings Subjected to Cyclic Temperatures*
**G90-10** Practice for Performing Accelerated Outdoor Weathering of Nonmetallic Materials Using Concentrated Natural Sunlight, **14.04**
**G91-11** Practice for Monitoring Atmospheric SO2 Deposition Rate for Atmospheric Corrosivity Evaluation, **03.02**
**G92-86(2010)** Practice for Characterization of Atmospheric Test Sites, **03.02**
**G93-03(2011)** Practice for Cleaning Methods and Cleanliness Levels for Material and Equipment Used in Oxygen-Enriched Environments, **14.04**
**G94-05(2014)** Guide for Evaluating Metals for Oxygen Service, **14.04**
**G95-07(2013)** Test Method for Cathodic Disbondment Test of Pipeline Coatings (Attached Cell Method), **06.02**
**G96-90(2013)** Guide for Online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods), **03.02**
**G97-97(2013)** Test Method for Laboratory Evaluation of Magnesium Sacrificial Anode Test Specimens for Underground Applications, **03.02**
**G98-02(2009)** Test Method for Galling Resistance of Materials, **03.02**
**G99-05(2010)** Test Method for Wear Testing with a Pin-on-Disk Apparatus, **03.02**
**G100-89(2010)$\epsilon^1$** Test Method for Conducting Cyclic Galvanostaircase Polarization, **03.02**
**G101-04(2010)** Guide for Estimating the Atmospheric Corrosion Resistance of Low-Alloy Steels, **03.02**
**G102-89(2010)** Practice for Calculation of Corrosion Rates and Related Information from Electrochemical Measurements, **03.02**
**G103-97(2011)** Practice for Evaluating Stress-Corrosion Cracking Resistance of Low Copper 7XXX Series Al-Zn-Mg-Cu Alloys in Boiling 6 % Sodium Chloride Solution, **03.02**
*G104 Withdrawn 1998; Test Method for Assessing Galvanic Corrosion Caused by the Atmosphere; Replaced by G116 and G149*
**G105-02(2007)** Test Method for Conducting Wet Sand/Rubber Wheel Abrasion Tests, **03.02**
**G106-89(2010)** Practice for Verification of Algorithm and Equipment for Electrochemical Impedance Measurements, **03.02**
**G107-95(2008)** Guide for Formats for Collection and Compilation of Corrosion Data for Metals for Computerized Database Input, **03.02**
**G108-94(2010)** Test Method for Electrochemical Reactivation (EPR) for Detecting Sensitization of AISI Type 304 and 304L Stainless Steels, **03.02**
**G109-07(2013)** Test Method for Determining Effects of Chemical Admixtures on Corrosion of Embedded Steel Reinforcement in Concrete Exposed to Chloride Environments, **03.02**
**G110-92(2009)** Practice for Evaluating Intergranular Corrosion Resistance of Heat Treatable Aluminum Alloys by Immersion in Sodium Chloride + Hydrogen Peroxide Solution, **03.02**
**G111-97(2013)** Guide for Corrosion Tests in High Temperature or High Pressure Environment, or Both, **03.02**
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**G113-14** Terminology Relating to Natural and Artificial Weathering Tests of Nonmetallic Materials, **14.04**
**G114-07** Practices for Evaluating the Age Resistance of Polymeric Materials Used in Oxygen Service, **14.04**
**G115-10(2013)** Guide for Measuring and Reporting Friction Coefficients, **03.02**
**G116-99(2010)** Practice for Conducting Wire-on-Bolt Test for Atmospheric Galvanic Corrosion, **03.02**
**G117-13** Guide for Calculating and Reporting Measures of Precision Using Data from Interlaboratory Wear or Erosion Tests, **03.02**
**G118-02(2007)** Guide for Recommended Format of Wear Test Data Suitable for Databases, **03.02**
**G119-09** Guide for Determining Synergism Between Wear and Corrosion, **03.02**
**G120-01(2008)** Practice for Determination of Soluble Residual Contamination by Soxhlet Extraction, **14.04**
**G121-98(2010)$\epsilon^1$** Practice for Preparation of Contaminated Test Coupons for the Evaluation of Cleaning Agents, **14.04**
**G122-96(2008)** Test Method for Evaluating the Effectiveness of Cleaning Agents, **14.04**
**G123-00(2011)** Test Method for Evaluating Stress-Corrosion Cracking of Stainless Alloys with Different Nickel Content in Boiling Acidified Sodium Chloride Solution, **03.02**
**G124-10** Test Method for Determining the Combustion Behavior of Metallic Materials in Oxygen-Enriched Atmospheres, **14.04**
**G125-00(2008)** Test Method for Measuring Liquid and Solid Material Fire Limits in Gaseous Oxidants, **14.04**
**G126-00(2008)** Terminology Relating to the Compatibility and Sensitivity of Materials in Oxygen Enriched Atmospheres, **14.04**
**G127-95(2008)** Guide for Selection of Cleaning Agents for Oxygen Systems, **14.04**
**G128-02(2008)** Guide for Control of Hazards and Risks in Oxygen Enriched Systems, **14.04**
**G129-00(2013)** Practice for Slow Strain Rate Testing to Evaluate the Susceptibility of Metallic Materials to Environmentally Assisted Cracking, **03.02**
**G130-12** Test Method for Calibration of Narrow- and Broad-Band Ultraviolet Radiometers Using a Spectroradiometer, **14.04**
**G131-96(2008)** Practice for Cleaning of Materials and Components by Ultrasonic Techniques, **14.04**
**G132-96(2013)** Test Method for Pin Abrasion Testing, **03.02**
**G133-05(2010)** Test Method for Linearly Reciprocating Ball-on-Flat Sliding Wear, **03.02**
**G134-95(2010)$\epsilon^1$** Test Method for Erosion of Solid Materials by Cavitating Liquid Jet, **03.02**
**G135-95(2013)** Guide for Computerized Exchange of Corrosion Data for Metals, **03.02**
**G136-03(2009)** Practice for Determination of Soluble Residual Contaminants in Materials by Ultrasonic Extraction, **14.04**
**G137-97(2009)** Test Method for Ranking Resistance of Plastic Materials to Sliding Wear Using a Block-On-Ring Configuration, **03.02**
**G138-12** Test Method for Calibration of a Spectroradiometer Using a Standard Source of Irradiance, **14.04**
**G139-05(2011)** Test Method for Determining Stress-Corrosion Cracking Resistance of Heat-Treatable Aluminum Alloy Products Using Breaking Load Method, **03.02**
**G140-02(2008)** Test Method for Determining Atmospheric Chloride Deposition Rate by Wet Candle Method, **03.02**
**G141-09(2013)** Guide for Addressing Variability in Exposure Testing of Nonmetallic Materials, **14.04**
**G142-98(2011)** Test Method for Determination of Susceptibility of Metals to Embrittlement in Hydrogen Containing Environments at High Pressure, High Temperature, or Both, **03.02**
**G143-03(2013)** Test Method for Measurement of Web/Roller Friction Characteristics, **03.02**
**G144-01(2014)** Test Method for Determination of Residual Contamination of Materials and Components by Total Carbon Analysis Using a High Temperature Combustion Analyzer, **14.04**
**G145-08** Guide for Studying Fire Incidents in Oxygen Systems, **14.04**
**G146-01(2013)** Practice for Evaluation of Disbonding of Bimetallic Stainless Alloy/Steel Plate for Use in High-Pressure, High-Temperature Refinery Hydrogen Service, **03.02**
**G147-09** Practice for Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests, **14.04**
**G148-97(2011)** Practice for Evaluation of Hydrogen Uptake, Permeation, and Transport in Metals by an Electrochemical Technique, **03.02**
*G149 Withdrawn 2004; Practice for Conducting the Washer Test for Atmospheric Galvanic Corrosion*
**G150-13** Test Method for Electrochemical Critical Pitting Temperature Testing of Stainless Steels, **03.02**
**G151-10** Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources, **14.04**
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**G153-13** Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials, **14.04**
**G154-12a** Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials, **14.04**
**G155-13** Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials, **14.04**
**G156-09** Practice for Selecting and Characterizing Weathering Reference Materials, **14.04**
**G157-98(2013)** Guide for Evaluating Corrosion Properties of Wrought Iron- and Nickel-Based Corrosion Resistant Alloys for Chemical Process Industries, **03.02**
**G158-98(2010)** Guide for Three Methods of Assessing Buried Steel Tanks, **03.02**
*G159 Withdrawn 2005; Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test; Replaced by G175*
**G160-12** Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials By Laboratory Soil Burial, **14.04**
**G161-00(2013)** Guide for Corrosion-Related Failure Analysis, **03.02**
**G162-99(2010)** Practice for Conducting and Evaluating Laboratory Corrosion Tests in Soils, **03.02**
**G163-10** Guide for Digital Data Acquisition in Wear and Friction Measurements, **03.02**
**G164-99(2013)** Test Method for Determination of Surface Lubrication on Flexible Webs, **03.02**
**G165-99(2012)** Practice for Determining Rail-to-Earth Resistance, **03.02**
**G166-00(2011)** Guide for Statistical Analysis of Service Life Data, **14.04**
**G167-05(2010)** Test Method for Calibration of a Pyranometer Using a Pyrheliometer, **14.04**
**G168-00(2013)** Practice for Making and Using Precracked Double Beam Stress Corrosion Specimens, **03.02**
**G169-01(2013)** Guide for Application of Basic Statistical Methods to Weathering Tests, **14.04**
**G170-06(2012)** Guide for Evaluating and Qualifying Oilfield and Refinery Corrosion Inhibitors in the Laboratory, **03.02**
**G171-03(2009)$\epsilon^2$** Test Method for Scratch Hardness of Materials Using a Diamond Stylus, **03.02**
**G172-02(2010)$\epsilon^1$** Guide for Statistical Analysis of Accelerated Service Life Data, **14.04**
**G173-03(2012)** Tables for Reference Solar Spectral Irradiances: Direct Normal and Hemispherical on 37° Tilted Surface, **14.04**
**G174-04(2009)$\epsilon^1$** Test Method for Measuring Abrasion Resistance of Materials by Abrasive Loop Contact, **03.02**
**G175-13** Test Method for Evaluating the Ignition Sensitivity and Fault Tolerance of Oxygen Pressure Regulators Used for Medical and Emergency Applications, **14.04**
**G176-03(2009)** Test Method for Ranking Resistance of Plastics to Sliding Wear Using Block-on-Ring Wear Test—Cumulative Wear Method, **03.02**
**G177-03(2012)** Tables for Reference Solar Ultraviolet Spectral Distributions:

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**G178-09** Practice for Determining the Activation Spectrum of a Material (Wavelength Sensitivity to an Exposure Source) Using the Sharp Cut-On Filter or Spectrographic Technique, **14.04**
**G179-04(2011)** Specification for Metal Black Panel and White Panel Temperature Devices for Natural Weathering Tests, **14.04**
**G180-13** Test Method for Corrosion Inhibiting Admixtures for Steel in Concrete by Polarization Resistance in Cementitious Slurries, **03.02**
**G181-11** Test Method for Conducting Friction Tests of Piston Ring and Cylinder Liner Materials Under Lubricated Conditions, **03.02**
**G182-13** Test Method for Determination of the Breakaway Friction Characteristics of Rolling Element Bearings, **03.02**
**G183-05(2010)** Practice for Field Use of Pyranometers, Pyrheliometers and UV Radiometers, **14.04**
**G184-06(2012)** Practice for Evaluating and Qualifying Oil Field and Refinery Corrosion Inhibitors Using Rotating Cage, **03.02**
**G185-06(2012)** Practice for Evaluating and Qualifying Oil Field and Refinery Corrosion Inhibitors Using the Rotating Cylinder Electrode, **03.02**
**G186-05(2011)** Test Method for Determining Whether Gas-Leak-Detector Fluid Solutions Can Cause Stress Corrosion Cracking of Brass Alloys, **03.02**
**G187-12a** Test Method for Measurement of Soil Resistivity Using the Two-Electrode Soil Box Method, **03.02**
**G188-05(2011)** Specification for Leak Detector Solutions Intended for Use on Brasses and Other Copper Alloys, **03.02**
**G189-07(2013)** Guide for Laboratory Simulation of Corrosion Under Insulation, **03.02**
**G190-06** Guide for Developing and Selecting Wear Tests, **03.02**
**G192-08** Test Method for Determining the Crevice Repassivation Potential of Corrosion-Resistant Alloys Using a Potentiodynamic-Galvanostatic-Potentiostatic Technique, **03.02**
**G193-12d** Terminology and Acronyms Relating to Corrosion, **03.02**
**G194-08(2013)** Test Method for Measuring Rolling Friction Characteristics of a Spherical Shape on a Flat Horizontal Plane, **03.02**
**G195-13a** Guide for Conducting Wear Tests Using a Rotary Platform Abraser, **03.02**
**G196-08** Test Method for Galling Resistance of Material Couples, **03.02**
**G197-08(2012)** Table for Reference Solar Spectral Distributions: Direct and Diffuse on 20° Tilted and Vertical Surfaces, **14.04**
**G198-11** Test Method for Determining the Relative Corrosion Performance of Driven Fasteners in Contact with Treated Wood, **03.02**
**G199-09(2014)** Guide for Electrochemical Noise Measurement, **03.02**
**G200-09(2014)** Test Method for Measurement of Oxidation-Reduction Potential (ORP) of Soil, **03.02**
**G201-09** Practice for Conducting Exposures in Outdoor Glass-Covered Exposure Apparatus with Air Circulation, **14.04**
**G202-12** Test Method for Using Atmospheric Pressure Rotating Cage, **03.02**
**G203-10** Guide for Determining Friction Energy Dissipation in Reciprocating Tribosystems, **03.02**
**G204-10** Test Method for Damage to Contacting Solid Surfaces under Fretting Conditions, **03.02**
**G205-10** Guide for Determining Corrosivity of Crude Oils, **03.02**
**G206-11** Guide for Measuring the Wear Volumes of Piston Ring Segments Run against Flat Coupons in Reciprocating Wear Tests, **03.02**
**G207-11** Test Method for Indoor Transfer of Calibration from Reference to Field Pyranometers, **14.04**
**G208-12** Practice for Evaluating and Qualifying Oilfield and Refinery Corrosion Inhibitors Using Jet Impingement Apparatus, **03.02**
**G209-13** Practice for Detecting mu-phase in Wrought Nickel-Rich, Chromium, Molybdenum-Bearing Alloys, **03.02**
**G210-13** Practice for Operating the Severe Wastewater Analysis Testing Apparatus, **03.02**

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# P. PROPOSALS

*P101 Withdrawn 1988; Proposed Method of Measuring Energy-Conserving Quality of Engine Oils in Vehicles (D-2 Proposal)*
*P102 Withdrawn 1988; Proposed Classification of Energy-Conserving Engine Oils (D-2 Proposal)*
*P103 Withdrawn 1985; Proposed Precautionary Statements (D-2 Proposal)*
*P104 Withdrawn 1988; Proposed Specification for Gasohol (D-2 Proposal)*
*P105 Withdrawn 1987; Proposed Method for Laboratory Measurement of Sound Reflection from Vertical Surfaces for Use in Open-Plan Spaces (E-33 Proposal)*
*P106 Withdrawn 1988; Proposed Test Method for Apparent Viscosity of Engine Oils Between -30° C and -5° C Using the Cold Cranking Simulator (D-2 Proposal)*
*P107 Withdrawn 1986; Proposed Test Method for Grindability of Subbituminous and Lignitic Coals Using the Hardgrove Machine (D-5 Proposal)*
*P108 Withdrawn 1987; Proposed Test Method for Determining the Fire Performance of Public Ground Transportation Seat Assemblies (E-5 Proposal)*
*P110 Withdrawn 1988; Proposed Guide to Assist in the Defining, Procuring, Installing, and Implementing of a Computerized Hospital Pharmacy System (E-31 Proposal)*
*P111 Withdrawn 1988; Proposed Test Method for Determination of Pseudomonas Aeruginosa in Water by Membrane Filtration (D-19 Proposal*
*P112 Withdrawn 1987; Proposed Test Method for Interstitial Oxygen Content of Silicon Slices by Computer-Assisted Infrared Spectrophotometry (F-1 Proposal)*
*P113 Withdrawn 1985; Proposed Test Method for Thallium in Water by Voltammetry (D-19 Proposal)*
*P114 Withdrawn 1985; Proposed Test Method for Copper in Water by Voltammetry (D-19 Proposal)*
*P115 Not Assigned*
*P116 Withdrawn 1986; Proposed Test Method for Cyclohexylamine (D-19 Proposal)*
*P117 Withdrawn 1985; Proposed Test Method for Nickel and Vanadium in Waterborne Oils (D-19 Proposal)*
*P118 Not Assigned*
*P119 Withdrawn 1984; Proposed Test Method for Tarnish Resistance of Electrical Contacts to "Flowers of Sulfur" Atmospheres (B-4 Proposal)*
*P120 Withdrawn 1985; Proposed Method for Determination of Ethylene Oxide in Workplace Atmospheres (Charcoal Tube Methodology) (D-22 Proposal); Redesignated D4413*
*P121 Withdrawn 1984; Proposed Method for Optical Emission Spectrometric Analysis of Refined Copper (E-2 Proposal)*
*P122 Withdrawn 1985; Proposed Test Method for Moisture and Noncombustibles of RDF-3 Macrosamples (E-38 Proposal)*
*P123 Withdrawn 1985; Proposed Test Method for Total Moisture in RDF-3 Samples (E-38 Proposal)*
*P124 Withdrawn 1984; Proposed Specification for Pine Oil Disinfectant (D-12 Proposal)*
*P125 Withdrawn 1987; Proposed Test Method for Static and Dynamic Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by the Horizontal Slip Tester (D-21 Proposal)*
*P126 Withdrawn 1987; Proposed Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by NBS-Brungraber Articulated Arm Tester (D-21 Proposal)*
*P127 Withdrawn 1987; Proposed Test Method for Dynamic Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by NBS-Sigler Pendulum Impact Tester (D-21 Proposal)*
*P128 Withdrawn 1987; Proposed Test Method for Static and Dynamic Coefficient of Friction of Polish-Coated Floor Surfaces, as Measured by the Topaka Slip Tester (D-21 Proposal)*
*P129 Withdrawn 1984; Proposed Specification for Concrete Cleaner, Flush-Off Type (D-12 Proposal)*
*P130 Withdrawn 1986; Proposed Practice for Selection of Release Torque Value for Ski Bindings; Replaced by F939 (F-8 Proposal)*
*P131 Withdrawn 1987; Proposed Method for Selection of Release Torque Values of Ski Bindings (F-8 Proposal)*
*P138 Redesignated E1065; Proposed Practice for Evaluating the Characterisitics of Ultrasonic Search Units (E-7 Proposal)*
*P139 Withdrawn 1985; Proposed Method for Chemical Analysis of Magnesium–Analysis for Manganese and Zinc (E-3 Proposal)*
*P140 Withdrawn 1985; Proposed Method of Testing Flat Disposable (Consumable) Hot Top Boards and Risers for Metallic Ingots and Castings (C-8 Proposal)*
*P141 Withdrawn 1983; Proposed Test Method for Organic Halides in Water by Carbon Adsorption-Microcoulometric Detection (D-19 Proposal)*
*P142 Withdrawn 1986; Proposed Practice for Calculating Heat Losses Through Furnace Walls (C-8 Proposal)*
*P143 Withdrawn 1985; Proposed Methods of Testing Exothermic Refractory Covering Powders for Metallic Ingots and Castings (C-8 Proposal)*
*P144 Withdrawn 1986; Proposed Method for Eye Irritation in Albino Rabbits (E-5 Proposal)*
*P145 Withdrawn 1986; Proposed Practice for Detection and Evaluation of Discontinuities by the Immersed Pulse-Echo Ultrasonic Method Using Longitudinal Waves (E-7 Proposal)*
*P146 Withdrawn 1986; Proposed Practice for Evaluating the Electronic Characteristics of Sections of Pulse-Echo Ultrasonic Inspection Instruments (E-7 Proposal)*
*P147 Withdrawn 1986; Proposed Room Fire Test of Wall and Ceiling Materials and Assemblies (E-5 Proposal)*
*P148 Withdrawn 1987; Proposed Test Method for Fluorides in Workplace Atmospheres (D-22 Proposal)*
*P149 Withdrawn 1986; Proposed Test Method for Phosphate Esters in Water (D-19 Proposal)*
*P150 Redesignated E997; Proposed Method for Structural Performance of Glass in Exterior Windows, Curtain Walls, and Doors Under the Influence of Uniform Static Loads, by Destructive Method (E-6 Proposal)*
*P152 Withdrawn 1987; Proposed Operational Guide for Direct Current Plasma Emission Spectrometry Analysis (E-3 Proposal); Replaced by E1097*
*P153 Redesignated C1026; Proposed Method for Measuring Frost Resistance of Ceramic Tile (C-21 Proposal)*
*P154 Redesignated C1027; Proposed Test Method to Determine Visible Abrasion Resistance of Glazed Ceramic Tile (C-21 Proposal)*
*P155 Redesignated C1028; Proposed Method for Evaluating the Static Coefficient of Friction of Ceramic Tile, Terrazo, and Other Like Surfaces, by the Dynamometer Pull Meter Method (C-21 Proposal)*
*P156 Withdrawn 1989; Proposed Guide for Shredder Explosion Protection (E-38 Proposal)*
*P159 Withdrawn 1986; Proposed Method for Rheological Measurements of Bitumens by Vacuum Capillary Viscometer (D-4 Proposal)*
*P160 Withdrawn 1986; Proposed Test Method for Viscosity of Asphalt Emulsion Residues and Non-Newtonian Bitumens by Vacuum Capillary Viscometer ((D-4 Proposal)*
*P161 Withdrawn 1986; Proposed Test Method for Benzidene and 3,3' Bidichlorobenzidene in Water by High Performance Liquid Chromatography (D-19 Proposal)*
*P162 Withdrawn 1986; Proposed Method of Quantification for Petroleum Oil in Water (D-19 Proposal)*
*P163 Withdrawn 1986; Proposed Test Method for Hydrocarbons in Tissue Samples (D-19 Proposal)*
*P164 Withdrawn 1985; Proposed Test Method for Simultaneous Detection and Enumeration of Total and Respiring Bacteria in Aquatic Systems Using Acridine Orange in Formazan Reduction Technique (D-19 Proposal)*
*P165 Withdrawn 1985; Proposed Test Method for Enumeration of Aquatic Bacteria by the Use of Acridine Orange Epifluorescence Direct Microscopic Counting (D-19 Proposal)*
*P166 Withdrawn 1987; Proposed Practice for Sampling and Inspection of Complete Alpine Boot Binding Systems in Rental Applications (F-27 Proposal)*
*P167 Withdrawn 1987; Proposed Test Method for Boiling Range Distribution of Crude Petroleum by Gas Chromatography (D-2 Proposal)*
*P168 Withdrawn 1988; Proposed Guide for Estimating the Incompatibility of Selected Hazardous Wastes Based on Binary Chemical Reactions (D-34 Proposal)*
*P169 Withdrawn 1989; Proposed Test Method for Determining a Correction Factor for Bitumen Retained by Aggregate Following a Bitumen Extraction Test (D-4 Proposal)*
*P170 Withdrawn 1988; Proposed Specification for Denatured Fuel Ethanol to be Blended With Gasolines for Use as an Automotive Spark-Ignition Engine Fuel (D-2 Proposal)*
*P171 Withdrawn 1988; Proposed Guide for Preparation of Biological Samples for Inorganic Chemical Analysis (D-19 Proposal)*
*P172 Withdrawn 1989; Proposed Specification for Electronic Grade Water (D-19 Proposal)*
*P173 Withdrawn 1988; Proposed Method for Comparison of Waterborne Petroleum Oils by Silhouette Profile Fluorescence Spectroscopy (D-19 Proposal)*
*P174 Withdrawn 1988; Proposed Test Method for Nitrite-Nitrate in Water (D-19 Proposal)*
*P175 Not Assigned*
*P176 Withdrawn 1988; Proposed Specification for Automotive Spark-Ignition Engine Fuel (D-2 Proposal)*
*P177 Withdrawn 1990; Proposed Test Method for On-Line Monoitoring of Electrical Conductivity to Determine Anions and Carbon Dioxide in High-Purity Water (D-19 Proposal); Replaced by D4519*
*P178 Withdrawn 1988; Proposed Test Method for Measurement of Yield Stress and Apparent Viscosity of Engine Oils at Low Temperature (D-2 Proposal)*
*P179 Withdrawn 1988; Proposed Method for Comparison of Waterborne Petroleum Oils by Low-Temperature Luminescence (D-19 Proposal)*
*P180 Withdrawn 1988; Proposed Test Method for Heating Performance and Emissions of Residential Wood-Fired Closed Combustion-Chamber Heating Appliances (D-22 Proposal)*
*P181 Withdrawn 1988; Proposed Test Method for Chlorine in Workplace Atmospheres (D-22 Proposal)*
*P182 Withdrawn 1988; Proposed Method for Determination of Benzene Soluble Particulate Matter in Workplace Atmospheres (D-22 Proposal)*
*P183 Withdrawn 1988; Proposed Test Method for Determination of 2,4-Toluene Diisocyanate (2,4-TD) in Workplace Atmospheres (D-22 Proposal)*
*P184 Withdrawn 1988; Proposed Method for Chemical Analysis of Ferrosilicon and Silicon Metal (E-3 Proposal)*
*P185 Withdrawn 1988; Proposed Test Method for Determination of the Ignition Resistance of Stacking Chairs (E-5 Proposal)*
*P186 Withdrawn 1989; Proposed Method for Random Vibration Testing of Shipping Containers (D-10 Proposal)*

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*P187 Withdrawn 1988; Proposed Method for Determination of Oxygen in Steel and in Iron, Nickel, and Cobalt Alloys (E-3 Proposal)*
*P188 Withdrawn 1988; Proposed Method of Test for Short Rod Fracture Toughness of Cemented Carbides (B-9 Proposal)*
*P189 Withdrawn 1988; Proposed Specification for Encapsulants for Friable Asbestos-Containing Building Materials (E-6 Proposal)*
*P190 Withdrawn 1988; Proposed Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter (E-5 Proposal)*
*P191 Withdrawn 1988; Proposed Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies (E-5 Proposal)*
*P192 Withdrawn 1988; Proposed Test Method for Degradation of Fine Aggregate Due to Attrition (C-9 Proposal)*
*P193 Withdrawn 1988; Proposed Specification for Ski Binding Test Devices (F-27 Proposal)*
*P194 Withdrawn 1988; Proposed Method of Verification of Ski Binding Test Devices (F-27 Proposal)*
*P195 Withdrawn 1989; Proposed Method for Chemical Analysis of Copper-Bismuth/Antimony/Arsenic/Tellurium/Lead/Iron/Selenium by Lanthanum Collection and Direct Current Argon Plasma Optical Emission Spectroscopy (E-1 Proposal)*
*P196 Withdrawn 1989; Proposed Method for Distillation of Heavy Oils and Crudes (Vacuum Potstill Method) (D-2 Proposal)*
*P197 Withdrawn 1988; Proposed Test Method for Interstitial Oxygen Content of Silicon Slices Polished on Both Sides by Computer-Assisted Infrared Spectrophotometry (E-1 Proposal)*
*P198 Withdrawn 1989; Proposed Test Method for Evaluating the Effectiveness of Materials for Curing Concrete (C-9 Proposal)*
*P199 Withdrawn 1990; Proposed Terminology for Nondestructive Examinations (E-7 Proposal); Redesignated E1316*
*P200 Withdrawn 1990; Proposed Test Method for Compression Testing of Cemented Carbides (B-9 Proposal)*
*P201 Withdrawn 1990; Proposed Test Method for Light Scattering Determination of Particle Size of Sediments in Aqueous Suspension (D-19 Proposal)*
*P202 Withdrawn 1990; Proposed Test Method for Iodide in Water (D-19 Proposal)*
*P203 Withdrawn 1990; Proposed Methods for Determination of Selenium in Refined Copper by Direct Current Argon Plasma Spectroscopy (E-3 Proposal)*
*P204 Withdrawn 1990; Proposed Methods for Determination of Iron, Lead, Nickel, Silver, and Tin in Refined Copper by Direct Current Argon Plasma Optical Emission Spectroscopy (E-1 Proposal)*
*P205 Withdrawn 1990; Proposed Classification for Energy Conserving Engine Oils (D-2 Proposal)*
*P206 Withdrawn 1989; Proposed Test Method for Determination of Tungsten in Ferrotungsten by the Cinchonine Gravimetric Method (E-1 Proposal)*
*P207 Withdrawn 1989; Proposed Guide for Precision and Bias Statements in Test Method Standards (C-26 Proposal)*
*P208 Withdrawn 1989; Proposed Test Method for Workplace Sampling and Analysis of Welding Fumes for Chromium (D-22 Proposal)*
*P209 Withdrawn 1989; Proposed Test Method for Sampling and Analysis of Nitrogen Dioxide Content of the Atmosphere (Diffusion Tube Methodology) (D-22 Proposal)*
*P210 Withdrawn 1991; Proposed Test Method for Evaluating Energy Conserving Gear Oils in Passenger Car and Light Truck Service (D-2 Proposal)*
*P211 Withdrawn 1990; Proposed Terminology Relating to Biomass Fuels (E-48 Proposal)*
*P212 Withdrawn 1992; Proposed Test Method for Sequence VE Test Procedure (D-2 Proposal)*
*P213 Withdrawn 1991; Proposed Test Method for Photoluminescence Analysis of Single Crystal Silicon for III-V Impurities; Replaced by F1392 (F-1 Proposal)*
*P214 Withdrawn 1992; Proposed Test Method for Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silicon Reaction (C-9 Proposal)*
*P215 Withdrawn 1993; Proposed Test Method for Polychlorinated Biphenyls (PCBs) in Water by Gas Chromatography/Mass Spectrometry (D-19 Proposal)*
*P216 Withdrawn 1993; Proposed Test Method for Formaldehyde in Water (D-19 Proposal)*
*P217 Withdrawn 1993; Proposed Test Method for Total Tetra Through Octachloro Dibenzo-p-Dioxins and Dibenzofurans in Water (D-19 Proposal)*
*P218 Withdrawn 1993; Proposed Test Method for the Determination of Semi-Volatile Organic Compounds in Water by Gas Chromatography/Mass Spectrometry (D-19 Proposal)*
*P219 Withdrawn 1993; Proposed Test Method for 2,3,7,8-Tetrachlorodibenzo-p-*Dioxin (TCDD) and 2,3,7,8-Tetrachlorodibenzofurans (TCDF) in Water (D-19 Proposal)
*P220 Withdrawn 1992; Proposed Test Method for Determination of Ethylene Oxide in Workplace Atmospheres (HBr) Derivatization Method (D-22 Proposal)*
*P221 Withdrawn 1993; Proposed Specification for Colored Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors (D-20 Proposal)*
*P222 Withdrawn 1993; Proposed Test Method for Sulfur Dioxide in Workplace Atmospheres (D-22 Proposal)*
*P223 Withdrawn 1993; Proposed Specification for Colored Rigid Poly(Vinyl Chloride)(PVC) Siding (D-20 Proposal)*
*P224 Withdrawn 1992; Proposed Test Method for Determining the Net Carrier Density on Bulk and Epitaxial Silicon Wafers by Using a Mercury Probe F-1 Proposal)*
*P225 Withdrawn 1992; Proposed Test Method for Substitutional Atomic Carbon Content of Silicon by Infrared Absorption; Replaced by F1391 (F-1 Proposal)*
*P226 Withdrawn 1993; Proposed Test Methods for Bituminous Materials in Tension (D-4 Proposal)*
*P227 Withdrawn 1993; Proposed Practice for Evaluation Criteria of Hydraulic Cement Testing Laboratories (C-1 Proposal); Replaced by C1222*
*P228 Withdrawn 1994; Proposed Test Methods for pH Measurement of Water of Low Conductivity; Replaced by D5464 (D-19 Proposal)*
*P229 Withdrawn 1994; Proposed Test Method for Giardia* Cysts and *Cryptosporidium* Oocysts in Low-Turbidity Water by a Fluorescent Antibody Procedure (D-19 Proposal)
*P230 Withdrawn 1994; Proposed Test Method for Measurement of Occupational Exposure to Formaldehyde (Passive Sampler Methodology) (D-22 Proposal)*
*P231 Withdrawn 1993; Proposed Test Method for N-Methylcarbamoyloximes/N-Methylcarbamates in Water by Direct Aqueous Injection Liquid Chromatography (HPLC) with Post Column Derivatization; Replaced by D5315 (D-19 Proposal)*
*P232 Withdrawn 1995; Proposed Specification for Fuel Methanol (M85) for Automotive Spark-Ignition Engines (D-2 Proposal)*
*P233 Withdrawn 1995; Proposed Test Method for Compaction and Strength Properties of Graded Aggregate Using the Gyratory Testing Machine (GTM) (D-4 Proposal)*
*P235 Withdrawn 1995; Proposed Test Method for Fluorometric Determination of Toxicity-Induced Enzymatic Inhibition in Daphnia Magna*
*P236 Withdrawn 1995; Proposed Test Method for Asbestos–Containing Materials by Polarized Light Microscopy*
*P241 Withdrawn 1995; Proposed Test Method for Determination of Semi-Volatile Organic Compounds in Water by Gas Chromatography/Mass Spectrometry (GC/MS) (D-19 Proposal)*
*P242 Withdrawn 1995; Proposed Test Method for Adherent Fines Test; Replaced by D5711 (D-4 Proposal*
*P243 Withdrawn 1995; Proposed Test Method for Toughness and Tenacity of Bituminous Materials; Replaced by D5801 (D-4 Proposal)*
*P244 Withdrawn 1995; Proposed Practice for Rheological Measurements of Bitumens Using Dynamic Shear Rheometers (D-4 Proposal)*
*P245 Withdrawn 1996; Proposed Test Method for Determining the Flexural Creep Stiffness of AsphaltBinder Using the Bending Beam Rheometer (D-4 Proposal)*
*P246 Withdrawn 1996; Proposed Test Method for Determining the Rheological Properties of Asphalt Binder for Specification Purposes Using a Dynamic Shear Rheometer (DSR) (D-4 Proposal)*
*P248 Withdrawn 1997; Proposed Specification for Performance Graded Asphalt Binder (D-4 Proposal)*
*P249 Withdrawn 1997; Proposed Practice for Grading or Verifying the Performance Grade of an Asphalt Binder (D-4 Proposal)*
*P252 Withdrawn 1997; Proposed Test Method for Determining the Fracture Properties of Asphalt Binder in Direct Tension (DT) (D-4 Proposal)*

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# PS. PROVISIONAL STANDARDS

*PS1 Withdrawn 1997; Provisional Specification for Poly(Vinyl Chloride)(PVC) Sewer and Drain Pipe Containing Recycled PVC Material; Replaced by F1732*

*PS2 Withdrawn 1996; Provisional Standard Specification for Molding Plastics, Electrical, Thermoplastic*

*PS3 Withdrawn 1998; Provisional Guide for Accelerated Site Characterization for Confirmed or Suspected Petroleum Releases; Replaced by E1912*

*PS5 Withdrawn 1996; Provisional Standard Test Method for Static and Dynamic Spinal Implants Assembly in a Corpectomy Model*

*PS6 Withdrawn 1997; Provisional Standard Practice for Establishing Secured Creditor Exemption Under CERCLA*

*PS7 Withdrawn1996; Provisional Standard Specification for Iodotrifluoromethane, $CF_3$*

*PS8 Withdrawn 1998; Provisional Standard Specification for Poly(Vinyl Chloride)(PVC) Non-Pressure Plastic Pipe Having Reprocessed-Recycled Content; Replaced by F1760*

*PS9 Withdrawn 1996; Provisional Standard Test Method for Determination of Free Formaldehyde in Emulsion Polymers by Liquid Chromatography; Replaced by D5910*

*PS10 Withdrawn 2004; Provisional Specification for Manufactured Safety Vacuum Release Systems (SVRS) for Swimming Pools, Spas and Hot Tubs; Replaced by F2387*

*PS11 Withdrawn 1998; Provisional Practice for Environmental Regulatory Compliance Audits*

*PS12 Withdrawn 1998; Provisional Guide for Study and Evaluation of an Organization's Environmental Management Systems*

*PS13 Withdrawn 1997; Provisional Test Method for Performance Testing of Excess Flow Devices; Replaced by F1802*

*PS14 Withdrawn 1998; Provisional Practice for Life Cycle Costing for Pollution Prevention*

*PS15 Withdrawn 1996; Provisional Standard Specification for Molding Compounds, Thermosetting; Replaced by D5948*

*PS16 Withdrawn 1996; Provisional Standard Specification for Liquid Coating Encapsulation Products for Leaded Paint in Buildings; Replaced by F1795*

*PS18 Withdrawn 1995; Practice for Use of Qualitative Chemical Spot Test Kits for Detection of Lead in Dry Paint Films; Replaced by E1753*

*PS20 Withdrawn 1998; Provisional Specification for Corrugated Polyethylene (PE) Pipe and Fittings Made with Recycled (PE) Materials*

*PS23 Withdrawn 1997; Provisional Guide for Use of Coal Combustion Fly Ash in Structural Fills; Replaced by E1861*

*PS26 Withdrawn 1998; Provisional Guide for Development and Implementation of a Source Reduction Program*

*PS27 Withdrawn 1997; Provisional Standard Specification for Engineering and Design Criteria for Rigid Wall Relocatable Structures; Replaced by E1925*

*PS28 Withdrawn 1997; Provisional Test Method for Flow Consistency of Controlled Low Strength Material; Replaced by D6103*

*PS29 Withdrawn 1996; Provisional Test Method for Unit Weight, Yield, and Air Content (Gravimetric) of Controlled Low Strength Material; Replaced by D6023*

*PS30 Withdrawn 1996; Provisional Standard Practice for Sampling Freshly Mixed Controlled Low Strength Material; Replaced by D5971*

*PS31 Withdrawn 1997; Provisional Test Method for Ball Drop on Controlled Low Strength Material to Determine Suitability for Load Application; Replaced by D 6024*

*PS33 Withdrawn 1996; Provisional Guide for Selection and Use of Liquid Coating Encapsulation Products for Leaded Paint in Buildings; Replaced by E1796*

*PS34 Withdrawn 1996;Provisional Specification for Molded Polyethylene Shipping and Storage Drums; Replaced by D5998*

*PS35 Withdrawn 1997; Provisional Practice for Sampling Plans and Tables for Inspection by Attributes*

*PS36 Withdrawn 1998; Provisional Standard Practice for Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel (PAV); Replaced by D6521*

*PS37 Withdrawn 1996; Provisional Practice for Conducting Environmental Baseline Surveys; Replaced by D6008*

*PS38 Withdrawn 1997; Provisional Consumer Safety Specification for Toddler Beds; Replaced by F1821*

*PS39 Withdrawn 1996; Test Method for Determination of Volatile Organic Compound (VOC) Content of Electric Insulating Varnishes; Replaced by D6053*

*PS40 Withdrawn 1996; Provisional Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality ad Ventilation; Replaced by D6245*

*PS41 Withdrawn 1996;Provisional Specification for Reinforced Liquid Coating Encapsulation Products for Leaded Paint in Buildings; Replaced by E1797*

*PS42 Withdrawn 1999; Provisional Test Method for Metal Removal Fluid Aerosol in Workplace Atmospheres; Replaced by D6649*

*PS43 Withdrawn 1998; Provisional Guide for Safer Use of Movable Soccer Goals; Replaced by F1938*

*PS45 Withdrawn 1997; Evaluating Quality Systems of Organizations Engaged in Conducting Hazard Assessments to Determine the Presence/Extent of Lead in Paint/Dust/Airborne Particulate, and Soil in Buildings/Related Structures; Replaced by E1864*

*PS46 Withdrawn 1998; Provisional Practice for Collection of Surface Dust by Air Sampling Pump Vacuum Technique for Subsequent Lead Determination; Replaced by E1973*

*PS47 Withdrawn 1997; Provisional Test Method for Screening, Quantification, and Characterization of Total Polychlorinated Biphenyls by Room Temperature Phosphorescence*

*PS48 Withdrawn 1997; Provisional Test method for Oil and Grease (Solvent Extractable Substances) by Gravimetric Determination*

*PS49 Withdrawn 1999; Provisional Practice for Application of Class PB Exterior Insulation and Finish Systems; Replaced by C1397*

*PS50 Withdrawn 1998; Provisional Specification for Molded and Cast Nylon (PA) Rod, Tubes, Sheets, and Parts*

*PS52 Withdrawn 1998; Provisional Test Methods for Determination of Trace Elements in Coal, Coke and Combustion Residues From Coal Utilization Processes by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Plasma Mass Spectrometry, and Graphite Furnace Atomic Absorption Spectrometry; Replaced by D6357*

*PS53 Withdrawn 1999; Provisional Guide for Identification and Management of Lead Hazards in Facilities; Replaced by E2052*

*PS54 Withdrawn 1998; Provisional Performance Requirements for Child's Plastic Chairs for Outdoor Use; Replaced by F1838*

*PS55 Withdrawn 1998; Provisional Performance Requirements for Multipositional Plastic Chairs, with Adjustable Backs or Reclining Mechanisms, for Outdoor Use; Replaced by F1858*

*PS56 Withdrawn 2000; Provisional Test Method for Sealability of Gasket Materials*

*PS57 Withdrawn 1999; Provisional Test Method for Determining Ignitability of Clothing by the Electric Arc Exposure Method Using a Mannequin; Replaced by F1958*

*PS58 Withdrawn 1999; Provisional Test Method for Determining Arc Thermal Performance (Value) of Textile Materials for Clothing by Electric Arc Exposure Method Using Instrumented Sensor Panels; Replaced by F1959*

*PS59 Withdrawn 2005; Provisional Specification for Fire Safety for Candles*

*PS60 Withdrawn 1998; Provisional Specification for Drawstrings on Children's Upper Outerwear; Replaced by F1816*

*PS61 Withdrawn 1998; Provisional Guide for Prevention and Control of Lead-Based Paint Hazards in Rental Housing*

*PS62 Withdrawn 1999; Provisional Specification for Precast Reinforced Concrete Box Sections for Culverts, Storm Drains, and Sewers*

*PS63 Withdrawn 1998; Provisional Test Method for Tires, Pneumatic, Vehicular, Highway; Replaced by F1922*

*PS64 Withdrawn 1998; Provisional Guide for Developing Appropriate Statistical Approaches for Ground-Water Detection Monitoring Programs; Replaced by D6312*

*PS65 Withdrawn 1998; Provisional Specification for Shelter, Electrical Equipiment S-250/G; Replaced by E1974*

*PS66 Withdrawn 1998; Provisional Specification for Shelter, Electrical, Equipment S-280/G; Replaced by E1975*

*PS67 Withdrawn 1998; Provisional Specification for Shelter, Tactical, Nonexpandable; Replaced by E1976*

*PS68 Withdrawn 1998; Provisional Specification for Shelter, Tactical, Expandable, One-Side; Replaced by E1977*

*PS69 Withdrawn 1998; Provisional Specification for Shelter, Tactical, Expandable, Two-Side; Replaced by E1978*

*PS70 Withdrawn 2000; Provisional Test Method for Determination of Fracture Toughness of Advanced Ceramics at Ambient Temperatures; Replaced by C1421*

*PS72 Withdrawn 2001; Provisional Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS); Replaced by E2134*

*PS74 Withdrawn 2000; Provisional Test Method for Oil and Grease (Solvent Extractable Substances) in Water by Gravimetric Determination*

*PS75 Withdrawn 2000; Provisional Standard Safety and Performance Specification for Soccer Goals; Replaced by F2056*

*PS77 Withdrawn 1998; Provisional Test Method for Human Repeat Insult Patch Testing of Medical Gloves; Replaced by D6355*

*PS78 Withdrawn 2000; Provisional Guide for Selecting Surface Geophysical Methods; Replaced by D6429*

*PS79 Withdrawn 1998; Provisional Test Method for Holding Strength of Prong-Ring Attached Snap Fasteners*

*PS80 Withdrawn 2000; Provisional Performance Specification for Fun Karts; Replaced by F2011*

*PS81 Withdrawn 2001; Provisional Test Method for Length Change of Mortar Bars Caused by Reaction Between Hydraulic Cement and Alkali-Reactive Aggregate*

*PS83 Withdrawn 1999; Provisional Specification for Determination of Accessability of Surface Systems Under and Around Playground Equipment; Replaced by F1951*

*PS84 Withdrawn 1998; Provisional Specification for Bean Bag Chairs; Replaced by F1912*

*PS85 Withdrawn 1998; Provisional Guide fir Expedited Site Characterization of Hazardous Waste Contaminated Sites; Replaced by D6235*

*PS86 Withdrawn 1998; Provisional Test Method for Tires, Pneumatic, Low Speed, Off Highway; Replaced by F1923*

*PS87 Withdrawn 1998; Provisional Practice for Ultrasonic Extraction of Paint, Dust, Soil, and Air Samples for Subsequent Determination of Lead; Replaced by E1979*

*PS88 Withdrawn 1999; Provisional Practice for Determination of Lead in Paint, Settled Dust, Soil and Air Particulate by Field-Portable Electroanalysis; Replaced by E2051*

*PS90 Withdrawn 1998; Provisional Test Methods for Asphalt Content of Hot Mix Asphalt by the Ignition Method; Replaced by D6307*

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*PS91 Withdrawn 2003; Provisional Specification for Portable Gasoline and Kerosine Spill-Resistant Fueling Systems for Consumer Use; Replaced by F2234*
*PS93 Withdrawn 2001; Provisioinal Specification for Fabricated Shapes and Finished Parts Fabricated From Polyimide Resins*
*PS94 Withdrawn 2001; Provisional Practice for Personal Sampling and Analysis of Endotoxin in Metal Removal Fluid Aerosols in Workplace Atmospheres; Replaced by E2144*
*PS95 Withdrawn 2000; Provisional Practice for Quality Systems for Conducting In Situ Measurements of Lead Content in Paint or Other Coatings Using Field-Portable X-Ray Fluorescence (XRF) Devices; Replaced by E2119*
*PS96 Withdrawn 1999; Provisional Performance Requirements for Plastic Chaise Lounges, With or Without Moving Arms, With Adjustable Backs, for Outdoor Use; Replaced by F1988*
*PS97 Withdrawn 1998; Provisional Guide for Consumer Recreational Use of Fun Karts; Replaced by F1928*
*PS100 Withdrawn 2000; Provisional Specification for Authentication of Healthcare Information Using Digital Signatures; Replaced by E2084*
*PS101 Withdrawn 2000; Provisional Guide on Security Framework for Healthcare Information; Replaced by E2085*
*PS102 Withdrawn 2000; Provisional Guide for Internet and Intranet Healthcare Security; Replaced by E2086*
*PS103 Withdrawn 1998; Provisional Guide for User Authentication and Authorization; Replaced by E1985*
*PS104 Withdrawn 2000; Provisional Guide for Risk Based Corrective Action; Replaced by E2081*
*PS105 Withdrawn 2003; Provisional Specification for Dedicated Short-Range Communication (DSRC) Data Link Layer*
*PS106 Withdrawn 2005; Provisional Standard Specifiation for Rods and Tubes of Polyethylene (PE)*
*PS107 Withdrawn 1998; Provisional Guide for Information Access Privileges to Health Information; Replaced by E1986*
*PS108 Withdrawn 1998; Provisional Guide for Individual Rights Regarding Health Information; Replaced by E1987*
*PS109 Withdrawn 1998; Provisional Guide for Training of Persons Who Have Access to Health Information; Replaced by E1988*
*PS110 Withdrawn 2000; Provisional Safety Specification for Chests, Door Chests, and Dressers; Replaced by F2057*
*PS111 Withdrawn 2000; Provisional Specification for Dedicated Short Range Communication (DSRC) Physical Layer Using Microwave in the 902 to 928 MHz Band; Replaced by E 2158*
*PS112 Withdrawn 2000; Provisional Safety Specification for Window Fall Prevention Devices for Non-Emergency Escape Egress and Rescue Ingress Windows; Replaced by F2006*
*PS114 Withdrawn 1999; Provisional Specification for Fire Suppression Towels; Replaced by F1989*
*PS115 Withdrawn 2001; Provisional Specification for Audit and Disclosure Logs for Use in Health Information Systems; Replaced by E2147*
*PS116 Withdrawn 2001; Provisional Practice for Performance Evaluation of the Portable X-Ray Fluorescence Spectrometer for the Measurement of Lead in Paint Films; Replaced by E2120*
*PS117 Withdrawn 2001; Provisional Specification for Portable Escape Ladder for Residential Use; Replaced by F2175*
*PS118 Withdrawn 2002; Provisional Test Method for Water-Extractable Chloride in Aggregate (Soxhlet Method); Replaced by C1524*
*PS119 Withdrawn 2003; Provisional Specification for Child-Resistant Portable Gasoline Containers for ConsumerUse*
*PS120 Withdrawn 2001; Provisional Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms; Replaced by F2090*
*PS121 Withdrawn 2002; Provisional Specification forBiodiesel Fuel (B100) Blend Stock for Distillate Fuels; Replaced by D6751*
*PS124 Withdrawn 2002; Provisional Test Method for Measuring Maximum Spontaneous Heating Temperature of Art Materials; Replaced by D6801*
*PS125 Withdrawn 2003; Provisional Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use*
*PS127 Withdrawn 2003; Provisional Test Method for Evaluating the Ignition Sensitivity and Fault Tolerance of Oxygen Regulators Used for Medical and Emergency Applications; Replaced by G175*
*PS128 Withdrawn 2003; Provisional Specifications for Pool Alarms; Replaced by F2208*
*PS129 Withdrawn; Provisional Test Method for Measurement of Permeability of Bituminous Paving Mixtures Using a Flexible Wall Permeameter*
*PS130 Withdrawn 2003; Provisional Consumer Safety Specification for Non-Powered Scooters; Replaced by F2264*
*PS131 Withdrawn 2003; Provisional Teset Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method; Replaced by D6752*
*PS132 Withdrawn 2003; Provisional Test Method for Maximum Specific Gravity and Density of Bituminous Paving Mixtures Using Automatic Vacuum Sealing Method; Replaced by D6857*
*PS135 Withdrawn 2004; Provisional Specification for Labeling for Upright Brooms for Consumer and Institutional Use; Replaced by F2367*
*PS136-02 Withdrawn 2003; Provisional Test Method for Quantitative Extraction and Recovery of Asphalt Binder from Asphalt Mixtures; Replaced by D6857*
*PS137 Withdrawn 2004; Provisional Specification for Labeling for Wet Mops for Consumer and Institutional Use; Replaced by F2368*
*PS138 Withdrawn 2004; Provisional Specification for Shelter, Electrical Equipment, Lightweight; Replaced by E2377*

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