

Database of Steel and Alloy (Marochnik)

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Characteristics for grade A5E (A5E).

Grade :	A5E (A5E)
Classification :	Primary aluminium
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Chemical composition in % for grade A5E (A5E)

Fe	Si	Ti	Al	Cu	Mg	Zn	Ga	Impurity
0.18 - 0.35	max 0.1	max 0.015	min 99.5	max 0.02	max 0.03	max 0.04	max 0.03	other, each 0.02;

Physical properties for grade A5E (A5E)

T	E 10 ⁻⁵	α 10 ⁶	λ	ρ	C	R 10 ⁹
Grade	MPa	1/Grade	Watt/(m·Grade)	kg/m ³	J/(kg·Grade)	Ohm·m
20						28

Equivalent steels for grade A5E (A5E)

Warning! Indicated both exact and nearest equivalents.

USA
-
Aluminium1350 Aluminium1350A

Specification :

Physical properties :

- T** - Test temperature , [Grade]
- E** - Young modulus , [MPa]
- α** - Coefficient of linear expansion (range 20° - T) , [1/Grade]
- λ** - Thermal (heat) condition coefficient , [Watt/(m·Grade)]
- ρ** - Density , [kg/m³]
- C** - Specific heat (range 20° - T) , [J/(kg·Grade)]
- R** - Electrical resistance , [Ohm·m]

Database of steels and alloys (Marochnik) contains information about chemical composition and properties more then 2500 steels and alloys (stainless steel, alloy steel, carbone steel, structural steel, tool steel, cast iron, aluminum alloy, titanium alloy, copper alloy, nickel alloy, magnesium alloy and others).
Helpfull for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

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