

Database of Steel and Alloy (Marochnik)

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Characteristics for grade AD00E (АД00Е).

Grade :	AD00E (АД00Е) (1010E)
Classification :	Technical aluminium
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Chemical composition in % for grade AD00E (АД00Е)

Fe	Si	Mn	Cr	Al	Cu	B	Mg	Zn	Impurity	-
max 0.25	max 0.1	max 0.01	max 0.01	min 99.7	max 0.02	max 0.02	max 0.02	max 0.04	other, each 0.02; all 0.1	V+Ti < 0.02

Physical properties for grade AD00E (АД00Е)

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				2700		

Equivalent steels for grade AD00E (АД00Е)

Warning! Indicated both exact and nearest equivalents.

Inter
ISO
1370 EA1999.7

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 than 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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