

Database of Steel and Alloy (Marochnik)

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Characteristics for grade AD0E (AÐ0E).

Grade :	AD0E (AÐ0E) (1011E)
Classification :	Technical aluminium
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Chemical composition in % for grade AD0E (AÐ0E)

Fe	Si	Mn	Cr	Ti	Al	Cu	B	Zn	Impurity	-
max 0.4	max 0.1	max 0.01	max 0.01	max 0.05	min 99.5	max 0.05	max 0.05	max 0.05	other, each 0.03; all 0.1	V+Ti < 0.02

Physical properties for grade AD0E (AÐ0E)

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				2710		

Equivalent steels for grade AD0E (AÐ0E)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	England	European	Sweden	Poland	Czechia	Austria	Inter
-	DIN, WNr	JIS	BS	EN	SS	PN	CSN	ONORM	ISO
AA1050 AA1055 AA1060 AA1065	3.0255 Al99.5 E-Al	1050	1350	AWEAl99.5 ENAW-1050A ENAW-Al99.5	EAl99.5	Al99.5E	424003	E-Al	1350 EA199.5

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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