

Database of Steel and Alloy (Marochnik)

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Characteristics for grade AD000 (АД000).

Grade :	AD000 (АД000)
Classification :	Technical aluminium
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Chemical composition in % for grade AD000 (АД000)

Fe	Si	Mn	Ti	Al	Cu	Mg	Zn	Impurity
max 0.15	max 0.15	max 0.02	max 0.02	min 99.8	max 0.03	max 0.02	max 0.06	other, each 0.02;

Physical properties for grade AD000 (АД000)

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 AD000 (АД000)

Warning! Indicated both exact and nearest equivalents.

USA	Germany	Japan	France	England	European	Italy	Poland	Czechia	Austria	Inter
-	DIN, WNr	JIS	AFNOR	BS	EN	UNI	PN	CSN	ONORM	ISO
AA1080	3.0285	1070	1080A	1080A	AWA199,8(A)	P-A199,8	Al99,8	424002	Al99,8	1080A
AA1085	3.0305	1080			ENAW-1080A					A199.8
AA1090	Al99.8	1080A			ENAW-Al99.8					
AA1180	Al99.9									
AA1185										
AA1188										

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, carbon 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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