

Database of Steel and Alloy (Marochnik)

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[Home](#) [European steel grades](#) [Steel and Alloy](#) [Search](#) [Equivalent grades](#) [Grading](#) [GOST Standard](#) [Contacts](#)

YOU HERE: [Steel and Alloy](#) -> [Aluminium alloy](#)

Characteristics for grade AMg3.5 (AMr3.5).

Grade :	AMg3.5 (AMr3.5)
Classification :	Aluminium wrought alloys
Equivalent grades:	Go here

Chemical composition in % for grade AMg3.5 (AMr3.5)

Fe	Si	Mn	Cr	Ti	Al	Cu	Be	Mg	Zn	Impurity	-
max 0.4	max 0.25	max 0.1	0.15 - 0.35	max 0.2	94.5 - 96.75	max 0.1	max 0.0008	3.1 - 3.9	max 0.2	other, each 0.05; all 0.15	0.1 < Mn+Cr < 0.5

Comment: **Al** is a basis; the percentage of **Al** is given approximately.

Physical properties for grade AMg3.5 (AMr3.5)

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				2660		

Equivalent steels for grade AMg3.5 (AMr3.5)

Warning! Indicated both exact and nearest equivalents.

Inter
ISO
5154 AMg3.5

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, 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

[Top](#)

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