

Database of Steel and Alloy (Marochnik)

splat.kharkov.com/en

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

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

Characteristics for grade AMg2.5 (AMr2.5).

Grade :	AMg2.5 (AMr2.5)
Classification :	Aluminium wrought alloys
Equivalent grades:	Go here

Chemical composition in % for grade AMg2.5 (AMr2.5)

Fe	Si	Mn	Cr	Al	Cu	Mg	Zn	Impurity
max 0.4	max 0.25	max 0.1	0.15 - 0.35	95.9 - 97.65	max 0.1	2.2 - 2.8	max 0.1	other, each 0.05; all 0.15

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

Physical properties for grade AMg2.5 (AMr2.5)

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				2680		

Equivalent steels for grade AMg2.5 (AMr2.5)

Warning! Indicated both exact and nearest equivalents.

Inter
ISO
5052 AMg2.5

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

[Top](#)

The entire risk as to use of the Database of Steel and Alloy (Marochnik) content is assumed by you the user

