

Database of Steel and Alloy (Marochnik)

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Characteristics for grade M1b (M16).

Grade :	M1b (M16)
Classification :	Copper
Equivalent grades:	Is absent

Chemical composition in % for grade M1b (M16)

Fe	Ni	S	P	Cu	As	Pb	Zn	O	Sb	Bi	Sn
max 0.004	max 0.002	max 0.004	max 0.002	min 99.95	max 0.002	max 0.004	max 0.003	max 0.003	max 0.002	max 0.001	max 0.002

Physical properties for grade M1b (M16)

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				8900		17.24

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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