

Database of Steel and Alloy (Marochnik)

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Characteristics for grade 03Kh18N10T (03X18H10T).

Grade :	03Kh18N10T (03X18H10T)(00X18H10T)
Classification :	High alloy high-temperature steel
Equivalent grades:	Is absent

Chemical composition in % for grade 03Kh18N10T (03X18H10T)

C	Si	Mn	Ni	S	P	Cr	-
max 0.03	max 0.8	1 - 2	9.5 - 11	max 0.02	max 0.035	17 - 18.5	(5 C - 0.4) Ti, остальное Fe

Physical properties for grade 03Kh18N10T (03X18H10T)

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				7900		

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).
 Helpful for specialists in grade technology, structural engineer, mechanical engineer, metallurgy and metal trader

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