

Database of Steel and Alloy (Marochnik)

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Characteristics for grade BrTSr0.2 (БpЦp0.2).

Grade :	BrTSr0.2 (БpЦp0.2)
Classification :	High-temperature bronzes
Equivalent grades:	Is absent

Chemical composition in % for grade BrTSr0.2 (БpЦp0.2)

Cu	Zr
99.7 - 99.9	0.1 - 0.3

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

Brinell hardness for BrTSr0.2 (БpЦp0.2) ,	HB 10⁻¹ = 98 - 132 MPa
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Technological properties of the material BrTSr0.2 (БpЦp0.2).

Melting temperature :	965 °C
Forging temperature :	700 - 900 °C
Annealing temperature :	700 °C

Physical properties for grade BrTSr0.2 (БpЦp0.2)

T	E 10⁻⁵	α 10⁶	λ	ρ	C	R 10⁹
Grade	MPa	1/Grade	Watt/(m·Grade)	kg/m³	J/(kg·Grade)	Ohm·m
20		16.3	326	8930		

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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