

Standardization and composition

Mechanical properties of the weld joint (standard data)

ISO 24373	CuZ (CuZn17)
Heat treatment	non treated
Tensile strength (MPa)	220
Elongation (%)	35
Brinell hardness (HB 2.5/62.5)	70
Notched bar impact test (Av (J))	55
Resistivity ($\Omega \times \text{mm}^2 / \text{m}$)	0,045 - 0,05
Cu	81.0 - 84.0
Zn	balance
Fe	max. 0.05
Pb	max. 0.05
Others	max. 0.2

Physical properties

Density (kg/dm^3)	8,75
Melting range ($^{\circ}\text{C}$)	985 - 1020
Thermal conductivity ($\text{W} / \text{m} \times \text{K}$)	148
Coefficient of linear mean expansion ($10^{-6}/\text{K}$)	18,6
Electric conductivity ($\text{m} / \Omega \times \text{mm}^2$)	20 - 22
Resistivity ($\Omega \times \text{mm}^2 / \text{m}$)	0,045 - 0,05

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Delivery options

Make-up	Weight/Length	Dimension
Drum / bedrabox	175 - 200 kg	0.80 - 1.60 mm
SD300 / BS300 / K300	12 - 15 kg	0.80 - 2.40 mm
H500 / H560 / H760	150 - 250 kg	0.80 - 2.40 mm
Coils	25 - 100 kg	1.60 - 6.00 mm
Rods	250 - 3000 mm	1.60 - 6.00 mm
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