

Standardization and composition

Mechanical properties of the weld joint (standard data)

ISO 24373	CuZ (CuP)
Heat treatment	non treated
Tensile strength (MPa)	220
Elongation (%)	40
Brinell hardness (HB 2.5/62.5)	50
Notched bar impact test (Av (J))	65
Resistivity ($\Omega \times \text{mm}^2$) /m	0.0192 - 0.0244

Standardization and composition

ISO 24373	CuZ (CuP)
Cu	balance
P	0.05 - 0.07

Physical properties

Density (kg/dm^3)	8.9
Melting range ($^{\circ}\text{C}$)	ca. 1080
Thermal conductivity ($\text{W} / \text{m} \times \text{K}$)	293 - 364
Coefficient of linear mean expansion (10-6/K)	17
Electric conductivity ($\text{m} / \Omega \times \text{mm}^2$)	41 - 52
Resistivity ($\Omega \times \text{mm}^2$) /m	0.0192 - 0.0244

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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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