

bercoweld® K1 is a wire made of oxygen-containing copper alloys for joining copper parts.

Standardization and composition

ISO 24373	CuZ (Cu)
Cu	min. 99.90

Physical properties

Density (kg/dm³)	8.93
Melting range (°C)	1083
Thermal conductivity (W / m x K)	394
Coefficient of linear mean expansion (10⁻⁶/K)	17.3
Electric conductivity (m / Ω x mm²)	58.6
Resistivity (Ω x mm² / m)	0.0171

Mechanical properties of the weld joint (standard data)

Heat treatment	non treated
Tensile strength (MPa)	200
Elongation (%)	40
Brinell hardness (HB 2.5/62.5)	50
Notched bar impact test (Av (J))	60

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