

bercoweld® K9 is made of copper silver material. Especially suitable for buildup and join welding on copper; preheat to about 450° C for large workpieces.

Standardization and composition

ISO 24373	CuAg1 Cu1897
Cu	balance
Ag	0.80 - 1.00
P	0.01 - 0.05
Mn	0.04 - 0.10
Others	max. 0.2

Physical properties

Density (kg/dm³)	8.9
Melting range (°C)	1070 - 1080
Thermal conductivity (W / m x K)	220 - 315
Coefficient of linear mean expansion (10-6/K)	17.7
Electric conductivity (m / Ω x mm²)	44 - 46
Resistivity (Ω x mm² /m)	0.0217 - 0.0227

Mechanical properties of the weld joint (standard data)

Heat treatment	non treated
Tensile strength (MPa)	200
Elongation (%)	30
Brinell hardness (HB 2.5/62.5)	60
Notched bar impact test (Av (J))	75

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