

bercoweld® K2 is a wire made of oxygen-free copper alloy for joining copper parts, oven soldering, shaped solder pads.

Standardization and composition

| | |
|------------------|------------|
| ISO 24373 | CuZ (Cu) |
| Cu | min. 99.95 |

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) | 0.0172 |

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 |