

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 |

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|-----------|-------------|
| 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 |
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