# BERCOWELD® BS60

## Standardization and composition

| ISO 24373 | CuZ (CuSn6MnSi) |
|---|---|
| Cu | balance |
| Sn | 5.50 - 6.00 |
| Mn | 0.20 - 0.35 |
| Si | 0.20 - 0.30 |
| Others | max 0.5 |

## Standardization and composition

| Density (kg/dm³) | 8,8 |
|---|---|
| Melting range (°C) | 900 - 1040 |
| Thermal conductivity (W / m x K) | 62 |
| Coefficient of linear mean expansion (10-6/K) | 18,4 |
| Electrical conductivity (m / Ω x mm²) | 7,3 - 7,9 |
| Resistivity (Ω x mm² /m) | 0,125 - 0,135 |

## Mechanical properties of the weld joint (standard data)

| Heat treatment | non treated |
|---|---|
| Tensile strength (MPa) | 359 |
| Elongation (%) | 44 |
| Brinell hardness (HB 2.5/62.5) | 101 |
| Notched bar impact test (Av (J)) | 68 |

## Delivery options

| Make-up | Weight/Length |
| --- | --- |
| Drum / bedrabox | 175 - 200 kg |
| SD300 / BS300 / K300 | 12 - 15 kg |
| H500 / H560 / H760 | 150 - 250 kg |
| Coils | 25 - 100 kg |
| Rods | 250 - 3000 mm |


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