

**bercoweld® B6** is used for build-up and join welding on CuSn alloys, CuSnZnPb cast alloys and cast iron. Preferred for oven soldering, good deoxidizing effect.

## Standardization and composition

<b>ISO 24373</b>	CuSn6P Cu5180
<b>Cu</b>	balance
<b>Sn</b>	6.00 - 6.60
<b>P</b>	0.20 - 0.25
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm<sup>3</sup>)</b>	8.7
<b>Melting range (°C)</b>	910 - 1040
<b>Thermal conductivity (W / m x K)</b>	75
<b>Coefficient of linear mean expansion (10<sup>-6</sup>/K)</b>	18.1
<b>Electric conductivity (m / Ω x mm<sup>2</sup>)</b>	6 - 7
<b>Resistivity (Ω x mm<sup>2</sup> / m)</b>	0.143 - 0.167

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

<b>Heat treatment</b>	non treated
<b>Tensile strength (MPa)</b>	260
<b>Elongation (%)</b>	20
<b>Brinell hardness (HB 2.5/62.5)</b>	80
<b>Notched bar impact test (Av (J))</b>	32

## Delivery options

<b>Make-up</b>	<b>Weight/Length</b>	<b>Dimension</b>
<b>Drum / bedrabox</b>	175 - 200 kg	0.80 - 1.60 mm
<b>SD300 / BS300 / K300</b>	12 - 15 kg	0.80 - 2.40 mm
<b>H500 / H560 / H760</b>	150 - 250 kg	0.80 - 2.40 mm
<b>Coils</b>	25 - 100 kg	1.60 - 6.00 mm
<b>Rods</b>	250 - 3000 mm	1.60 - 6.00 mm