

**bercoweld® A922** has a high wear and abrasion resistance. Very good corrosion resistance against seawater. Very suitable for join welding between steel and CuAl alloys. High pressure resistance, especially with solenoid valves.

## Standardization and composition

<b>ISO 24373</b>	CuAl8Ni2Fe2Mn2 Cu6327
<b>Cu</b>	balance
<b>Al</b>	8.30 - 8.80
<b>Ni</b>	2.20 - 2.50
<b>Mn</b>	1.70 - 2.00
<b>Fe</b>	1.20 - 1.50
<b>Others</b>	max. 0.5

## Physical properties

<b>Density (kg/dm³)</b>	7.5
<b>Melting range (°C)</b>	1030 - 1050
<b>Thermal conductivity (W / m x K)</b>	50
<b>Coefficient of linear mean expansion (0-6/K)</b>	17
<b>Electrical conductivity (m / Ω x mm²)</b>	4.5 - 5.5
<b>Resistivity (Ω x mm² / m)</b>	0.20

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

<b>Heat treatment</b>	non treated
<b>Tensile strength (MPa)</b>	530
<b>Elongation (%)</b>	30
<b>Brinell hardness (HB 2.5/62.5)</b>	140
<b>Notched bar impact test (Av (J))</b>	70

## Delivery options

<b>Make-up</b>	<b>Weight/Length</b>	<b>Dimension</b>
<b>Drum / bedradox</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