BERCOWELD® A922

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

ISO 24373	CuAl8Ni2Fe2Mn2 Cu6327
Cu	balance
AL	8.30 - 8.80
Ni	2.20 - 2.50
Mn	1.70 - 2.00
Fe	1.20 - 1.50
Others	max. 0.5

Physical properties

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

Mechanical properties of the weld joint (standard data)

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

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