

ISOFIL AIB22 is very suitable for brazing and welding galvanized steels. Very good corrosion and wear resistance. Preheating is recommended for large workpieces.

Standardization and composition

ISO 24373	CuAl7 Cu6100
Cu	balance
Al	7.50 - 8.00
Mn	0.10 - 0.30
Ni	0.10 - 0.50
Others	max. 0.5

Physical properties

Density (kg/dm³)	7.7
Melting range (°C)	1030 - 1040
Thermal conductivity (W / m x K)	65
Coefficient of linear mean expansion (10-6/K)	17
Electrical conductivity (m / Ω x mm²)	7 - 8
Resistivity (Ω x mm² / m)	0.11 - 0.143

Mechanical properties of the weld joint (standard data)

Heat treatment	non treated
Tensile strength (MPa)	430
Elongation (%)	40
Brinell hardness (HB 2.5/62.5)	100
Notched bar impact test (Av (J))	100

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