Standardization and composition

ISO 24373	CuAl8Ni2Fe2Mn2 Cu6327

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
Resistivity (Ω x mm² /m)	0.20

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)

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

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