

CW614N / CZ121 /CW614N

Chemical Properties

Element	Chemical Composition %
Copper (Cu)	58.00 typical
Lead (Pb)	3.0 typical
Zinc (Zn)	Balance

Mechanical Properties

Property	Value
Proof Stress	150 - 420 MPa
Tensile Strength	360 - 580 MPa
Elongation A50 mm	25 - 5%
Hardness Vickers	100 to 160 HV

Physical Properties

Property	Value
Density	8.47 g/cm ³
Melting Point	875°C
Thermal Expansion	20.9 x 10 ⁻⁶ /K
Modulus of Elasticity	97 GPa
Thermal Conductivity	123 W/ m.K
Electrical Resistivity	0.062 x 10 ⁻⁶ Ω.m

Product Forms

Flat Bar

Hexagon Bar

Round Bar

Square Bar

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

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