

SAE660 / C93200

Chemical Properties

Element	Chemical Composition %
Copper (Cu)	81.0 - 85.0
Nickel (Ni)	0.10
Phosphorus (P)	0.15
Lead (Pb)	6.0 - 7.5
Tin (Sn)	6.3 - 7.5
Zinc (Zn)	2.0 - 5.0

Mechanical Properties

Property	Value
0.2% Proof Strength	138 N/mm ²
Tensile Strength	240 N/mm ²
Elongation	10%
Hardness	65 HB

Physical Properties

Property	Value
Melting Point - Liquidus	977 °C
Melting Point - Solidus	854 °C
Density	8.91 gm/cm ³ @ 20°C
Specific Gravity	8.91
Electrical Resistivity	14.29 micrΩ-cm @ 20°C
Electrical Conductivity	0.07 MegaSiemens/cm @ 20°C
Thermal Conductivity	58.2 W/m.0K at 20°C
Coefficient of Thermal Expansion	18.0 10 ⁻⁶ per °C (20-100 °C)
Specific Heat Capacity	377.1 J/kg 0K at 293K
Modulus of Elasticity in Tension	100000 MPa

Product Forms

Round Bar

Disclaimer

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