



SHREE EXTRUSIONS LIMITED



C16500

CADMIUM COPPER

C16500 Cadmium Tin Copper

TYPICAL USES for C16500:

ELECTRICAL: Springs, Contacts, Flat Cable, Trolley Wire, Clips

INDUSTRIAL: Resistance Welding Electrodes

CHEMICAL COMPOSITION

	Al	Sn	Cd	Cu	Fe
Min/Max	-	.50 - .7	.6 - 1.0	Rem	.02
Nominals	-	.6	.8	98.6	-

PHYSICAL PROPERTIES

Product Property	US Customary	Metric
Melting Point - Liquidus	1958 F	1070 C
Melting Point - Solidus	-	-
Density	0.321 lb/in ³ at 68 F	8.89 gm/cm ³ @ 20 C
Specific Gravity	8.890	8.89
Electrical Resistivity	17.290 ohms-cmil/ft @ 68 F	2.87 microhm-cm @ 20 C
Electrical Conductivity	60 % IACS @ 68 F	0.351 Mega Siemens / cm @ 20 C
Thermal Conductivity	146 Btu • ft/(hr • ft ² • oF)at 68F	252.7 W/m • oK at 20 C
Modulus of Elasticity in Tension	17000 ksi	117000 Mpa
Modulus of Rigidity	-	-
Specific Heat Capacity	0.090 Btu/lb/° F at 68 F	377.1 J/kg • ° K at 293 K

SIZES AVAILABLE :

HOLLOW RODS
 ROUND RODS
 HEX
 SQUARE
 FLAT
 BILLETS
 INGOTS

Min Bore Size 20 mm and Max OD 100 mm
 8mm To 100 mm
 10mm To 60mm
 10mm To 60mm
 10mm Min Thickness and max Width 120mm
 Up to 200 mm
 As per Specification

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