



CADMIUM COPPER

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	Cu-DHP
Europen	Cu-DHP
BS	C-106
JIS	C 1220
M1 f	M1 f

C16500 Cadmium Tin Copper

TYPICAL USES for C16500:

ELECTRICAL: Springs, Contacts, Flat Cable, Trolley Wlre, 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

Regd. Office & Plant

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