



# SHREE EXTRUSIONS LIMITED

## C12000

## PHOSPHORUS - DEOXIDIZED, LOW RESIDUAL P

### EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	Cu-DLP
European	Cu-DLP
JIS	C-1100
Russian	M1 r

Good to excellent corrosion resistance. Excellent hot and cold workability; good forgeability. Fabricated by coining, coppersmithing, drawing and upsetting, hot forging and pressing, spinning, swaging, stamping.

### TYPICAL USES:

Busbars, electrical conductors, tubular bus, and applications requiring welding or brazing.

### CHEMICAL COMPOSITION

	Cu	P
Min/Max	99.90 min	0.004-0.012
Nominals	-	0.015-0.025

### PHYSICAL PROPERTIES

<b>Melting Point - Liquidus °F</b>	<b>1981</b>
Melting Point - Solidus °F	1981
Densitylb/cu in. at 68 °F	0.323
Specific Gravity	8.94
Electrical Conductivity*% IACS at 68 °F	98
Thermal ConductivityBtu/ sq ft/ ft hr/ °F at 68 °F	223
Coefficient of Thermal Expansion 68-21210 <sup>-6</sup> per °F (68 - 212 °F)	9.4
Coefficient of Thermal Expansion 68-39210 <sup>-6</sup> per °F (68 - 392 °F)	9.6
Coefficient of Thermal Expansion 68-57210 <sup>-6</sup> per °F (68 - 572 °F)	9.8
Specific Heat CapacityBtu/ lb / °F at 68 °F	0.092
Modulus of Elasticity in Tensionksi	17000
Modulus of Rigidityksi	6400

### SIZES AVAILABLE :

HOLLOW RODS  
 ROUND RODS/BARS  
 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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