



Free-Cutting Muntz Metal

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
European	CuZn38Pb1
BS	CZ-129
Portugies	CuZn39Pb1
Russian	LS63-3

Excellent hot and cold workability; good forge ability. Fabricated by bending, coining, coppersmith, drawing and upsetting, hot forging and pressing, knurling, roll threading, shearing, spinning, swaging, and stamping

TYPICAL APPLICATIONS:

Typical Uses: Industrial, Automotive Screw Machine Parts

CHEMICAL COMPOSITION

	Cu	Fe	Pb	Zn
Min/Max	59.0 - 62.0	0-0.15	0.8-1.5	Rem
Nominals	61.5000	-	1.0	--

PHYSICAL PROPERTIES

Melting Point - Liquidus °F	1650
Melting Point - Solidus °F	1630
Densitylb/cu in. at 68°F	0.304
Specific Gravity	8.41
Electrical Conductivity% IACS at 68°F	27
Thermal ConductivityBtu/ sq ft/ ft hr/ °F at 68°F	69
Coefficient of Thermal Expansion 68-57210 ⁻⁶ per °F (68 - 572°F)	11.6
Specific Heat CapacityBtu/ lb / °F at 68°F	0.09
Modulus of Elasticity in Tensionksi	15000
Modulus of Rigidityksi	5600

SIZES AVAILABLE :

HOLLOW RODS	Min Bore Size 20 mm and Max OD 100 mm
ROUND RODS/BARS	6mm To 130 mm
HEX	5mm To 60mm
SQUARE	4mm To 60mm
FLAT	5mm Min Thickness and max Width 120mm
PROFILES / SECTIONS	AS per Customer Drawing
BILLETS	Up to 200 mm
INGOTS	AS per Specification

Regd. Office & Plant
Plot No. 6 & 7, Village: Lakhavaval, Post: Khodiyar Colony, Jamnagar - 361006.
Tel.: +91-288-2889251 / 52, Fax: +91-288-2889223, Cell: +91-9924443396
Email: info@metalalloyscorp.com • web: www.metalalloyscorp.com



ENGINEERS INDIA LIMITED
(A Govt. of India Undertaking)