



SHREE EXTRUSIONS LIMITED

C38000

ARCHITECTURAL BRONZE "LOW LEADED" BRASS

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn40Pb2
European	CuZn40Pb2
BS	CZ-122
JIS	C 3561
Russian	LS59-3

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:

ARCHITECTURE: Thresholds, Architectural Sections, Door Frames, Window Frames

BUILDERS HARDWARE: Hinges, Builders Hardware, Butts

OTHER: Extruded Shapes

CHEMICAL COMPOSITION

	Al	Cu	Fe	Pb	Sn	Zn
Min/Max	0.5	55.0 - 60.0	0.35	1.5 - 2.5	0.3	Rem
Nominals	-	57.5000	-	2.0000	-	-

PHYSICAL PROPERTIES

Coefficient of Thermal Expansion	11.5 • 10 ⁻⁶ per oF (68-572 F)
Density	0.305 lb/in ³ @ 68 F
Electrical Conductivity	27 %IACS @ 68 F
Electrical Resistivity	38.4 ohms-cmil/ft @ 68 F
Melting Point Liquid US	1640 F
Melting Point Solid US	1620 F
Modulus of Elasticity in Tension	15000 ksi
Modulus of Rigidity	5600 ksi
Specific Gravity	8.44
Specific Heat Capacity	0.09 Btu/lb/°F @ 68 F
Thermal Conductivity	69.0 Btu • ft/(hr • ft ² • °F) @ 68 F

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

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