



SHREE EXTRUSIONS LIMITED



C62500 ALUMINUM BRONZE

C62500 Copper Aluminum Bronze Alloy is a high strength aluminum bronze copper alloy, suitable for manufacturing high structural strength and wear-resistant parts.

TYPICAL USES :

Industrial: Guide Bushings, Wear Strips, Cams, Dies, Forming Rolls, Sheet Metal Forming Dies, Wing Dies for Vertical Tube Benders, Bushings, Wear Plates for Plastic Molds, Welding Rod, Plastic Mold Components

CHEMICAL COMPOSITION

	Cu	Al	Fe	Mn
Min./Max.	Rem.	12.5-13.5	3.5-5.5	2.0
Nominal	82.7	13.0	4.3	-

PHYSICAL PROPERTIES

Product Property	US Customary
Melting Point - Liquidus	1925 F
Melting Point - Solidus	1917 F
Density	0.260 lb/in ³ at 68 F
Specific Gravity	7.210
Electrical Resistivity	104 ohms-cmil/ft @ 68 F
Electrical Conductivity	10 %IACS @ 68 F
Thermal Conductivity	27 Btu Â • ft/(hr Â • ft ² Â • oF) at 68F
Coefficient of Thermal Expansion	9 Â • 10 ⁻⁶ per oF (68-572 F)
Specific Heat Capacity	0.090 Btu/lb/oF at 68 F
Modulus of Elasticity in Tension	16000 ksi

SIZES AVAILABLE :

ROUND RODS/BARS	8mm To 100 mm
HEX	10mm To 60mm
SQUARE	10mm To 60mm
FLAT	10mm Min Thickness and max Width 120mm
BILLETS	Up to 200 mm
INGOTS	As per Specification

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