



Adinath

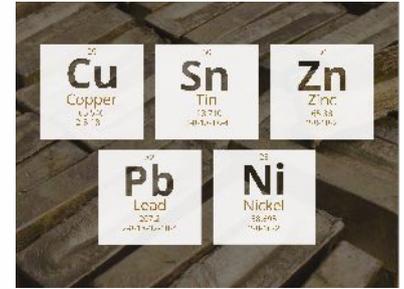
Create, Enhance & Sustain

C-84400 Gun Metal/Red Brass/Bronze

Specification Sheet

DESCRIPTION

C84400 is a variation of C83600 where Copper and Tin are partly replaced by Zinc and Lead. This results in reduction of cost along with reduced strength. The higher lead content in the alloy ensures pressure tightness used for low cost bearings under low loads.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	78.00	-	-	-	7.00	6.00	2.30	-	-	-	-
Max (%)	82.00	0.005	0.40	1.00	10.00	8.00	3.50	0.005	0.08	0.25	0.02

Note : Ni includes Co; Cu+ named elements >= 99.5%; Unless otherwise noted, single values represent maximums.

COMPARATIVE SPECIFICATIONS

CDA: C84400	BS 1400: LG1	BC-1	OTHER: VALVE METAL
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	90

CASTING CHARACTERISTICS

Casting Attribute	Level
Casting Yield	High
Drossing	Medium
Fluidity	Medium
Gassing	Medium

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TYPICAL USES

Product Category	Product	Reason
 <p>Architecture</p>	Ornamental Fixtures.	Appearance, Corrosion Resistance, Good Machinability, Moderate Strength.
 <p>Builders Hardware</p>	Cases for Dead Bolt Locks, Dead Bolt Locks, Door Hardware for Prisons, Hardware.	Appearance, Corrosion Resistance, Good Machinability, Moderate Strength, Castability, Oxidation Resistance.
 <p>Building</p>	Cooling Equipment, Heating Equipment.	Thermal Conductivity, Corrosion Resistance, Moderate Strength, Thermal Conductivity.
 <p>Consumer</p>	Musical Instruments.	Appearance, Castability, Corrosion Resistance, Resonant Frequency, Damping Capacity, Moderate Strength.
 <p>Electrical</p>	Electrical Equipment.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, Oxidation Resistance, Moderate Strength.
 <p>Industrial</p>	Low Pressure Fittings, Pump Fixtures, Valve Bodies for the Water Industry, Valve Seat, Valves, Valves for Water Meters.	Corrosion Resistance, Moderate Strength, Pressure Tight, Wear Resistance, Good Machinability, Corrosion Resistance to Fresh Water, Corrosion Resistance to Salt Water, Excellent Machinability.
 <p>Marine</p>	Boat Parts, Marine Hardware, Nuts for Transducers.	Appearance, Corrosion Resistance, Corrosion Resistance to Salt Water, Moderate Strength, Machinability Good.
 <p>Plumbing</p>	Fixtures, Pipe Fittings.	Appearance, Corrosion Resistance, Good Machinability, Moderate Strength, Pressure Tightness.

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PACKING

ADINATH manufactures wide range of copper Alloys in the form of **Certified Ingots** weighing from 8-10 kgs each.

Standard Packaging of **1 Metric Ton** in Wooden Pallet.



VALUE ADDED SERVICES

Casting Range



25 Grams to 10 Kgs

Forging Sizes



50 Grams to 6 Kgs

Machining Sizes



1 mm to 200 mm

CONNECT WITH US Adinath Extrusion Pvt. Ltd.

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