



# Adinath

Create, Enhance & Sustain

## C-87400 : SILICON BRASS Specification Sheet

### DESCRIPTION

C87400 is a Silicon Brass alloy with higher content of Zinc and is easily castable. Its high strength, corrosion resistance and appearance properties makes it a preferred choice in specific industries.



### CHEMICAL COMPOSITION

Element	Cu	Al	Zn	Pb	Si
Min (%)	79.00	-	12.00	-	2.50
Max (%)	-	0.80	16.00	1.00	4.00

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

### COMPARATIVE SPECIFICATIONS

CDA: C87400	ASTM: B30
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### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Not Recommended	Fair	50

### CASTING CHARACTERISTICS

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

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## TYPICAL USES

Product Category	Product	Reason
 <p>Architecture:</p>	Artistry Components.	Appearance, Castability, Corrosion Resistance, Moderate Strength.
 <p>Electrical:</p>	Electrical Components.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance, Moderate Strength.
 <p>Fasteners:</p>	Clamps , Hexagonal Nuts.	Corrosion Resistance, Moderate Strength, Corrosion Resistance to Numerous Environments, High Strength.
 <p>Industrial:</p>	Bearings, Engineering Applications, Gears, Impellers, Rocker Arms, Valve Stems.	Corrosion Resistance, Ductility, Moderate Strength, Castability, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Salt Water, Wear Resistance.

## 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.



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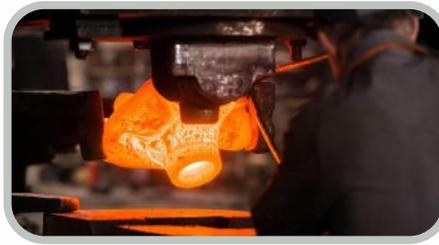
## VALUE ADDED SERVICES

### 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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