



# Adinath

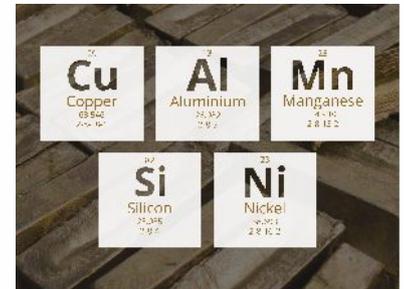
Create, Enhance & Sustain

## C-87500 : SILICON BRASS

### Specification Sheet

#### DESCRIPTION

Silicon Brasses are part of the subgroup of high strength brasses. Silicon Brass castings exhibit moderate strength and very good aqueous and atmospheric corrosion resistance. The conductivity of the silicon brasses is much less than that of unalloyed copper. They are also known as Silicon Red Brasses.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Zn	Pb	Si
Min (%)	79.00	-	12.00	-	3.00
Max (%)	-	0.50	16.00	0.09	5.00

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

#### COMPARATIVE SPECIFICATIONS

CDA: C87500	ASTM: B30
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	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><b>Builders:</b></p>	Window Hardware.	Appearance, Castability, Corrosion Resistance, High Strength.
 <p><b>Industrial:</b></p>	Bearings, Fittings, Gears, Impellers, Levers, Pump Fixtures, Valve Bodies.	Corrosion Resistance, Ductility, High Strength, Castability, Resists Stress Corrosion Cracking in Marine Environments, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Salt Water, Retains Strength at Elevated Temperatures.
 <p><b>Marine:</b></p>	Boat Parts, Small Boat Propellers.	Castability, Corrosion Resistance, Corrosion Resistance to Salt Water, High Strength, Resists Stress Corrosion Cracking in Marine Environments, Ductility.
 <p><b>Plumbing:</b></p>	Fixtures.	Castability, Corrosion Resistance, High Strength, Retains Strength at Elevated Temperatures.

## 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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