



Adinath

Create, Enhance & Sustain

C-87600 : 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	Fe	Mn	Zn	Pb	Si
Min (%)	88.00	-	-	4.00	-	3.50
Max (%)	-	0.20	0.25	7.00	0.09	5.50

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

COMPARATIVE SPECIFICATIONS

CDA: C87600	ASTM: B30
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	40

CASTING CHARACTERISTICS

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

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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>Industrial:</p>	Bearings, Engineering Applications, Gears, Impellers, Valve Bodies , 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.

Plot No. 4051-4055,
Bhagwan Mahavir Swami Marg,
G.I.D.C., Phase-III, Dared,
Jamnagar - 361004, Gujarat, India.

+91 7600 55 9243 +91 288 2730868
sales@adinathextrusion.com,
marketing@adinathextrusion.com
www.adinathextrusion.com

