



Adinath

Create, Enhance & Sustain

C-87800 : 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 Brass.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si	S	Sb	P	As
Min (%)	80.00	-	-	-	-	12.00	-	-	3.80	-	-	-	-
Max (%)	-	0.15	0.15	0.20	0.15	16.00	0.09	0.25	4.20	0.05	0.05	0.01	0.05

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

COMPARATIVE SPECIFICATIONS

CDA: C87800	ASTM: B30
-------------	-----------

FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	40

CASTING CHARACTERISTICS

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

C-87800 : SILICON BRASS

TYPICAL USES

Product Category	Product	Reason
 <p>Builders Hardware:</p>	Brackets.	Castability, Corrosion Resistance, High Strength.
 <p>Fasteners:</p>	Clamps, Hexagonal Nuts.	Castability, Corrosion Resistance, High Strength.
 <p>Hardware:</p>	General Hardware.	Appearance, Castability, Corrosion Resistance, High Strength.
 <p>Industrial:</p>	Brush Holders, Corrosion Resistant Components, Gears, High Strength, Thin Walled Die Castings, Lever Arms, Pump Impellers, Tools, Valve Parts.	Castability, Corrosion Resistance, Wear Resistance, High Strength, Corrosion Resistance to Brackish Water, Corrosion Resistance to Fresh Water, Corrosion Resistance to Non Oxidizing Acids, Wear Resistance, High Strength, Excellent Wear Resistance.
 <p>Marine:</p>	Marine Hardware.	Appearance, Castability, Corrosion Resistance, High Strength, Corrosion Resistance to Brackish Water, Corrosion Resistance to Fresh Water.
 <p>Plumbing:</p>	Plumbing Parts.	Castability, Corrosion Resistance, Corrosion Resistance to Brackish Water, Corrosion Resistance to Fresh Water, Wear Resistance, High Strength.

C-87800 : SILICON BRASS

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



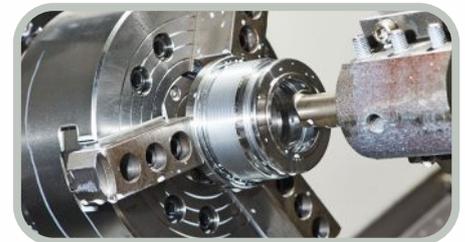
25 Grams to 10 Kgs

Forging Sizes



50 Grams to 6 Kgs

Machining Sizes



1 mm to 200 mm

CONNECT WITH US Adinath Extrusion Pvt. Ltd.

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

