



# Adinath

Create, Enhance & Sustain

## C-87850 : SILICON BRASS

### Specification Sheet

#### DESCRIPTION

C87850 is widely known as Eco Brass and is an environmental friendly alternative for applications requiring high strength and corrosion cracking resistance while maintaining good machinability. It is known for its excellent castability and equivalent to stainless steel. This alloy is an ideal solution for Water supply devices, faucets, taps and automotive parts.



#### CHEMICAL COMPOSITION

Element	Cu	Fe	Ni	Mn	Zn	Pb	Sn	Si	Sb	P
Min (%)	74.00	-	-	-	Balance	-	-	2.70	-	0.05
Max (%)	78.00	0.10	0.20	0.10		0.09	0.30	3.40	0.10	0.20

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

#### COMPARATIVE SPECIFICATIONS

CDA: C87850	ASTM: B30	C69300
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	70

#### CASTING CHARACTERISTICS

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

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## TYPICAL USES

Product Category	Product	Reason
 <p>Industrial:</p>	Valve Bodies for Water.	Corrosion Resistance.
 <p>Marine:</p>	Marine Products.	Brittleness, Corrosion Crack Resistance, Good Machinability.
 <p>Plumbing:</p>	Faucets, Plumbing Fittings, Water Meter Cases.	Environmental Friendly, Corrosion Resistance, Good Machinability.

## 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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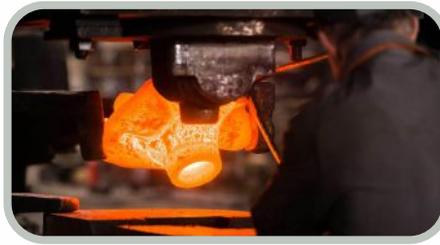
## VALUE ADDED SERVICES

### 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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