



# Adinath

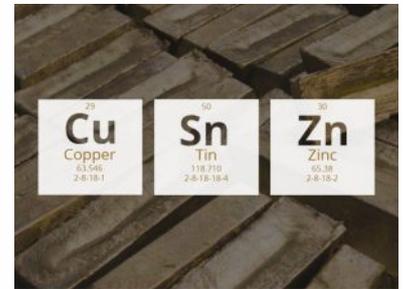
Create, Enhance & Sustain

## CuSn8 : TIN BRONZE

### Specification Sheet

#### DESCRIPTION

CuSn8 Alloy also known as C52100 has an addition of Phosphorous which increases the wear resistance and stiffness of the alloy. It has a good combination of strength and electrical conductivity. It is used in bearing applications under high load working conditions.



#### CHEMICAL COMPOSITION

Element	Cu	Fe	Ni	Zn	Pb	Sn	P	Oi
Min (%)	Balance	-	-	-	-	7.50	0.01	-
Max (%)		0.10	0.20	0.20	0.02	8.50	0.40	0.20

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

#### COMPARATIVE SPECIFICATIONS

UNS: C52100

#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	20

#### TYPICAL USES

Product Category	Product	Reason
 <p>Electrical</p>	Electrical Hardware.	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance (Excellent), High Strength

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Product Category	Product	Reason
 <p>Industrial</p>	Bearings, Bushings, Gears, Heavy Duty Bearings, Pump Impellers, Pump Pistons, Steam Fittings.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Wear Resistance, Machinability Good, Moderate Strength, Corrosion Resistance to Fresh Water, Corrosion Resistance to Saline Solutions, 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.



## VALUE ADDED SERVICES

### Casting Range



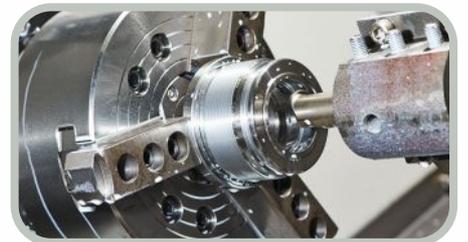
 25 Grams to 10 Kgs

### 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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