



# Adinath

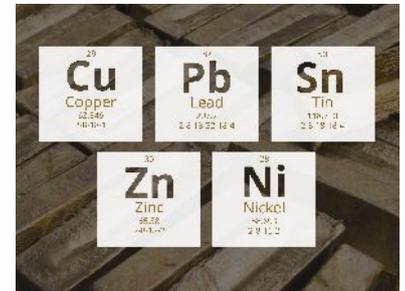
Create, Enhance & Sustain

## C-94500 : LEADED TIN BRONZE

### Specification Sheet

#### DESCRIPTION

Leaded Tin Bronze or High Leaded Tin Bronze are less expensive when compared to other bearing alloys. Primary function of this alloy is to improve machinability. Leaded Bronzes are well known for their resistance towards Corrosion and abrasion. The higher lead content allows the alloy to retain favourable thermal conductivity and good lubricity.



#### CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	Balance	-	-	-	-	16.00	6.00	-	-	-	-
Max (%)		0.005	0.15	1.00	1.20	22.00	8.00	0.005	0.08	0.80	0.05

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

#### COMPARATIVE SPECIFICATIONS

CDA: C94500	ASTM: B30, B66	AMS: 4500
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#### FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	poor	80

#### CASTING CHARACTERISTICS

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

# C-94500 LEADED TIN BRONZE

## TYPICAL USES

Product Category	Product	Reason
 <p>Industrial</p>	Corrosion Resistant Castings, High Load, Low Speed Bearings, Locomotive Shoes, Locomotive Wedges.	Corrosion Resistance, Corrosion Resistance to Brackish Water, Corrosion Resistance to Many Industrial Chemicals, Corrosion Resistance to Numerous Environments, Wear Resistance, Excellent Machinability, Thermal Conductivity.

## 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



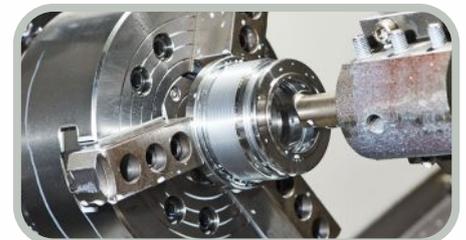
25 Grams to 10 Kgs

### 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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