



Adinath

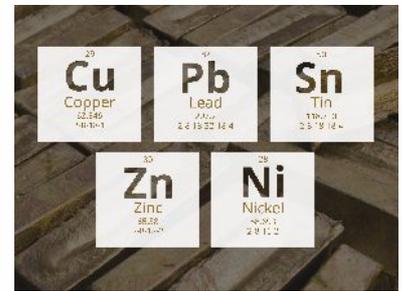
Create, Enhance & Sustain

C-93600 : 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 (%)	79.00	-	-	-	-	11.00	6.00	-	-	-	-
Max (%)	83.00	0.005	0.20	1.00	1.00	13.00	8.00	0.005	0.08	0.55	0.15

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

COMPARATIVE SPECIFICATIONS

CDA: C93600	ASTM: B505, B505M
-------------	-------------------

FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	Good	80

CASTING CHARACTERISTICS

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

C-93600 LEADED TIN BRONZE

Product Category	Product	Reason
 <p>Industrial:</p>	Backs for Lined Bearings, Bearings for corrosion, lubrication or pressure, Bushings for corrosion, lubrication or pressure, Cam Bushings for Diesel Engines, Crankshaft Main Bearings, Deep Well Pump Bowl Bushings, Deep Well Pump Line Shaft Bearings, Electric Motor Bearings, Flow Monitor Valves, Guide Bushings for Piston Rods, Guide Bushings for Valves, Hydraulic Gland Seals, Locomotive Bearing Parts, Main Bearings for Presses, Oil Field Equipment, Piston Pin Bearings, Pump Sleeves, Rod Bushings, Rolling Mill Bearings, Seals, Sleeve Bushings (for cranes, etc.), Steel Mill Bushings, Wrist Pin Bushings.	Corrosion Resistance, Wear Resistance, Good Machinability, Corrosion Resistance to Brackish Water, Corrosion Resistance to Many Industrial Chemicals, Corrosion Resistance to Numerous Environments, Anti-Seizing Properties, Low Coefficient of Friction, Excellent Machinability, Resistance to Pounding, Tolerance for Dirt and Grit.

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



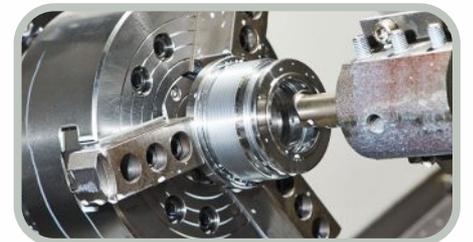
 25 Grams to 10 Kgs

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

