



Adinath

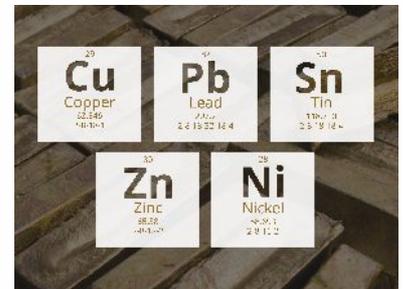
Create, Enhance & Sustain

C-92700 : 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 (%)	86.00	-	-	-	-	1.00	9.00	-	-	-	-
Max (%)	89.00	0.005	0.20	1.00	0.70	2.50	11.00	0.005	0.05	0.25	0.25

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

COMPARATIVE SPECIFICATIONS

CDA: C92700	ASTM: B505, B505M	SAE: 63, J461, J462	C-92500
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Good	45

CASTING CHARACTERISTICS

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

C-92700 LEADED TIN BRONZE

TYPICAL USES

Product Category	Product	Reason
 <p>Fasteners</p>	Lead Screw Nuts.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Good Machinability, Moderate Strength.
 <p>Industrial</p>	Bearings, Bushings, Fittings, Gears, Heavy Duty Bearings, Piston Rings, Pump Impellers, Pump Pistons, Steam Castings, Valve Bodies, Valves.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Wear Resistance, Good Machinability, Moderate Strength, Corrosion Resistance to Fresh Water, Corrosion Resistance to Saline Solutions, Pressure Tightness below 260 C.

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.



C-92700 LEADED TIN BRONZE

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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