



Adinath

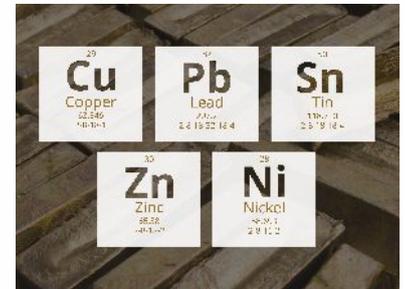
Create, Enhance & Sustain

C-92300 : LEADED TIN BRONZE

Specification Sheet

DESCRIPTION

C92300 is essentially a free cutting version of the Leaded Tin Bronze family and has similar properties and uses. It has a fairly high thermal conductivity and a moderately high ductility among cast bronzes.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	85.00	-	-	-	2.50	0.30	7.50	-	-	-	-
Max (%)	89.00	0.005	0.25	1.00	5.00	1.00	9.00	0.005	0.05	0.25	0.05

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

COMPARATIVE SPECIFICATIONS

CDA: C92300	ASTM: B505, B505M	SAE : 621, J461, J462
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FABRICATION PROPERTIES

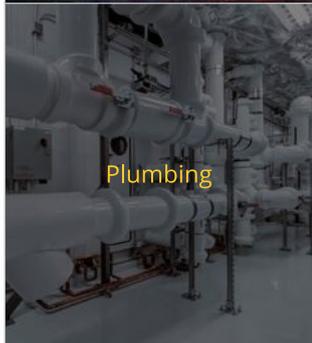
Soldering	Brazing	Machinability Rating
Excellent	Good	42

CASTING CHARACTERISTICS

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

C-92300 : LEADED TIN BRONZE

TYPICAL USES

Product Category	Product	Reason
 <p>Builders Hardware</p>	Structural Castings.	Corrosion Resistance to Numerous Environments, Good Machinability, Moderate Strength.
 <p>Fasteners</p>	Stuffing Box Nuts.	Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Saline Solutions, Good Machinability, Moderate Strength.
 <p>Industrial</p>	Bearings, Bushings, Gears, High Pressure Hydraulic Equipment, Piston Rings, Pump Impellers, Pump Parts, Valve Bodies.	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.
 <p>Plumbing</p>	High Pressure Steam Equipment.	Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Saline Solutions, Good Machinability, Moderate Strength, Pressure Tightness below 260 C.

C-92300 : LEADED TIN BRONZE

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



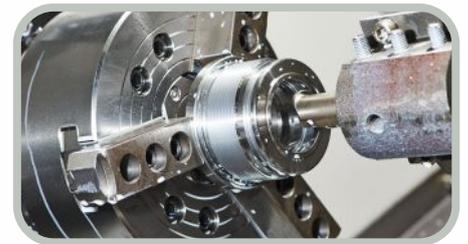
25 Grams to 10 Kgs

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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