



Adinath

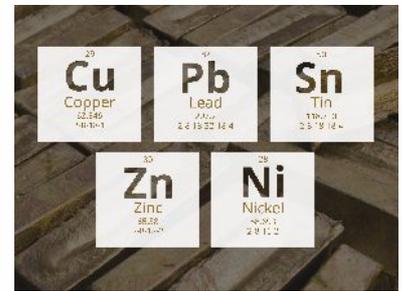
Create, Enhance & Sustain

C-92200 : LEADED TIN BRONZE

Specification Sheet

DESCRIPTION

C92200 is alloyed with Lead, Zinc and Tin providing good wear and corrosion resistance. It is suitable for low loaded components with adequate lubrication and can retain its strength at elevated temperatures. C92200 is well suitable for applications that require moderate strength.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	86.00	-	-	-	3.00	1.00	5.50	-	-	-	-
Max (%)	90.00	0.005	0.25	1.00	5.00	2.00	6.50	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: C92200	CuSn6Zn4Pb2	SAE: 622, J461, J462	OTHER: Phosphorus Bronze
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Excellent	Excellent	42

CASTING CHARACTERISTICS

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

C-92200 LEADED TIN BRONZE



TYPICAL USES

Product Category	Product	Reason
 <p>Architecture</p>	Ornamental Castings	Corrosion Resistance to Numerous Environments, Good Machinability, Moderate Strength.
 <p>Building</p>	Cooling Equipment, Heating Equipment.	Thermal Conductivity, Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Saline Solutions, Good Machinability, Moderate Strength, Retains Strength at Elevated Temperatures, Pressure Tight up to 260 C.
 <p>Fasteners</p>	Nuts.	Corrosion Resistance, Good Machinability, Moderate Strength.
 <p>Industrial</p>	Bearings, Cryogenic Valves, Fittings Used to 550 F, Gears, Medium Pressure Hydraulic Equipment, Piston Rings, Pump Impellers, Pumps Used to 550 F, Valve Components, Valves for Water Meters.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Wear Resistance, Good Machinability, Moderate Strength, Pressure Tight up to 260 C, Retains Strength at Elevated Temperatures, Corrosion Resistance to Fresh Water, Corrosion Resistance to Saline Solutions, Corrosion Resistance (Excellent).
 <p>Marine</p>	Marine Castings.	Corrosion Resistance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Saline Solutions, Good Machinability, Moderate Strength.
 <p>Plumbing</p>	Medium Pressure Steam Equipment to 550 F.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Machinability Good, Moderate Strength, Retains Strength at Elevated Temperatures, Pressure Tightness to 260 C.

C-92200 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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