



Adinath

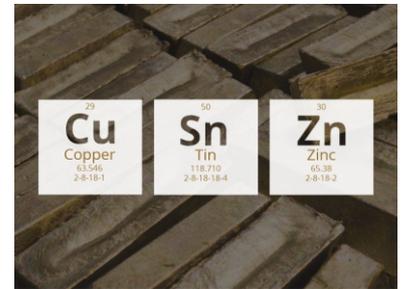
Create, Enhance & Sustain

C-90500 : TIN BRONZE

Specification Sheet

DESCRIPTION

C90500 Alloy belongs to the High Tin Bronze Family of Alloys which has excellent quality for applications requiring heavy load bearing capability under slow speeds.



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	3.00	0.30	11.00	0.005	0.05	0.20	0.05

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

COMPARATIVE SPECIFICATIONS

CDA: 90500	ASTM: B505, B505M, B22, B22M	BC-3	OTHER : GUN METAL
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FABRICATION PROPERTIES

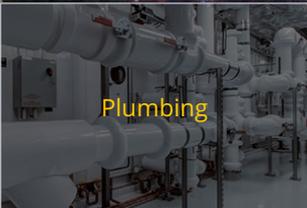
Soldering	Brazing	Machinability Rating
Excellent	Good	30

CASTING CHARACTERISTICS

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

C-90500 : TIN BRONZE

TYPICAL USES

Product Category	Product	Reason
 <p>Builders Hardware</p>	Clamps.	Corrosion Resistance to Numerous Environments, Moderate Strength.
 <p>Building</p>	Heavy Construction Equipment.	Corrosion Resistance, Wear Resistance, Moderate Strength, Pressure Tightness up to 260 C.
 <p>Electrical</p>	Connectors	Electrical Conductivity, Thermal Conductivity, Corrosion Resistance to Numerous Environments, Moderate Strength.
 <p>Fasteners</p>	Nuts.	Corrosion Resistance, Moderate Strength.
 <p>Industrial</p>	Bearings, Expansion Bearings, Finishing Dies for Wood Pulp Industry, Gear Blanks, Gears, Piston Rings, Pump Bodies, Pump Impellers, Seal Rings, Valve Bodies, Valves, Worm Gears.	Corrosion Resistance, Low Co-efficient of Friction, Wear Resistance, Moderate Strength, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments, Corrosion Resistance to Saline Solutions, Pressure Tightness up to 260 C, Good Machinability.
 <p>Plumbing</p>	Steam Fittings, Water Conditioners.	Corrosion Resistance to Numerous Environments, Moderate Strength, Pressure Tightness up to 260 C, Corrosion Resistance to Fresh Water, Corrosion Resistance to Saline Solutions.



C-90500 : 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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