



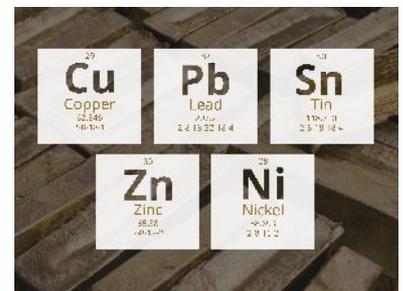
Adinath
Create, Enhance & Sustain

C-93700 : LEADED TIN BRONZE

Specification Sheet

DESCRIPTION

C93700 also known as 80/10/10 Bronze is combined with high lead and high tin content which provides good corrosion resistance. The lead acts as a lubricant and contribute to excellent machinability and anti-frictional properties of this alloy. The bearings made from C93700 have excellent wear resistance under high speed and heavy pressure.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	78.00	-	-	-	-	8.00	9.00	-	-	-	-
Max (%)	82.00	0.005	0.70	0.50	0.80	11.00	11.00	0.005	0.08	0.50	0.1

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

COMPARATIVE SPECIFICATIONS

CDA: C93700	CuSn10Pb10	CuPb10Sn10	80-10-10 Bronze	Bs1400: Lb2
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FABRICATION PROPERTIES

Soldering	Brazing	Machinability Rating
Good	Good	80

TYPICAL USES

Product Category	Product	Reason
Builders Hardware	Brackets.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Good Machinability, Relatively Low Strength.

C-93700 LEADED TIN BRONZE



TYPICAL USES

Product Category	Product	Reason
 <p>Fasteners:</p>	Nuts, Washers for Engines.	Corrosion Resistance, Corrosion Resistance to Numerous Environments, Wear Resistance, Excellent Machinability.
 <p>Industrial</p>	Applications Requiring Acid Resistance to Sulphite Fluids, Bearing Plates, Bearings, Bearings, Bearings, Bushings for high speed and heavy pressure, Corrosion Resistant Castings, Crank Shafts, High Speed, Heavy Load Bearings, Impellers, Machine Parts, Parts for Steel Mill Maintenance, Pressure Tight Castings, Pumps, Slide Guides for Steel Mills.	Corrosion Resistance, Corrosion Resistance to Brackish Water, Corrosion Resistance to Many Industrial Chemicals, Corrosion Resistance to Numerous Environments, Wear Resistance, Excellent Machinability, Relatively Low Strength, Anti-Seizing Properties, Low Coefficient of Friction, Pressure Tightness upto 260 C, Retains Strength at Elevated Temperatures.
 <p>Marine</p>	Large Bearings for Ships.	Corrosion Resistance, Corrosion Resistance to Salt Water, Anti-Seizing Properties, Low Coefficient of Friction, Wear Resistance.

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-93700 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.

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

