



Adinath

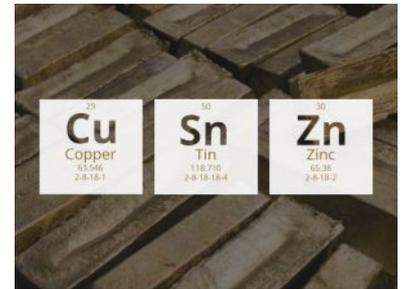
Create, Enhance & Sustain

CC-483K : TIN BRONZE

Specification Sheet

DESCRIPTION

CC483K also known as CuSn12 is a very hard and tough alloy. A Tin Bronze with 12% Tin can withstand high loads and possesses high sliding velocity with impact loading. The unique combination of Copper and High Tin results in good wear and running properties, as well as good relief from end pressures.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	85.00	-	-	-	-	-	-	11.00	-	-	-	-
Max (%)	88.50	0.01	0.20	2.00	0.20	0.50	0.70	13.00	0.01	0.05	0.15	0.60

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

COMPARATIVE SPECIFICATIONS

BS 1400: PB-1	CuSn12	CnSn12Ni2
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TYPICAL USES

Product Category	Product	Reason
 <p>Industrial</p>	<p>Bearings, Bearings for Heavy Loads and Relatively Low Speeds, Gear Boxes, Gears, Restaurant Equipment, Speed Reducers, Valve Bodies, Worm Gears, Worm Wheels.</p>	<p>Corrosion Resistance, Low Co-efficient of Friction, Wear Resistance, Moderate Strength, Good Resistance to Corrosion, Machinability Good, Pressure Tight up to 260 C, Appearance, Corrosion Resistance to Fresh Water, Corrosion Resistance to Numerous Environments.</p>

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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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