



Adinath

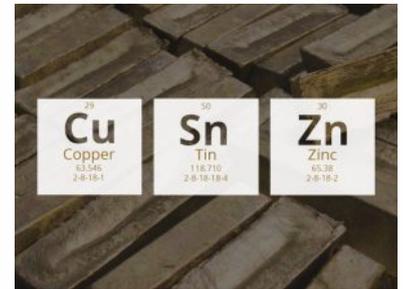
Create, Enhance & Sustain

CuSn12Ni2 : TIN BRONZE

Specification Sheet

DESCRIPTION

A tin bronze with certain addition of Nickel makes this alloy a higher strength material with good wear resistance and corrosion resistance in sea water. Nickel provides added abrasion which is used for heavy load gears and cams, running at low speeds but with adequate lubrication.



CHEMICAL COMPOSITION

Element	Cu	Al	Fe	Ni	Mn	Zn	Pb	Sn	Si	S	Sb	P
Min (%)	84.50	-	-	1.50	-	-	-	11.00	-	-	-	0.05
Max (%)	87.50	0.01	0.20	2.50	0.20	0.40	0.30	13.00	0.01	0.05	0.10	0.40

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

COMPARATIVE SPECIFICATIONS

CC483K	CuSn12
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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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