



Adinath

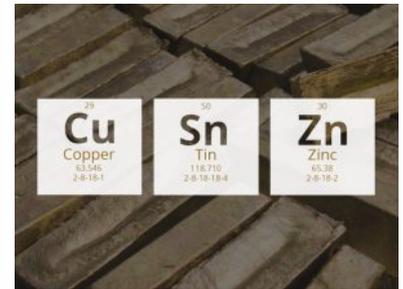
Create, Enhance & Sustain

CuSn12 : TIN BRONZE

Specification Sheet

DESCRIPTION

CuSn12 also known as CC483K 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

CC483K

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.</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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