



5mm Beryllium Solid Copper Rod C17200 ASTM B196 TD04 Temper Dia 30mmx1000mm

Our Product Introduction

Basic Information

- Place of Origin: china
- Brand Name: jinshunlai
- Certification: IOS
- Model Number: 0.1mm-900mm
- Minimum Order Quantity: 1kg
- Price: Contact Us
- Delivery Time: 5days
- Payment Terms: L/C, T/T , Western Union,D/P
- Supply Ability: 90000ton



Product Specification

- Color: Red Yellow
- Highlight: 5mm Solid Copper Rod,
ASTM B196 Solid Copper Rod,
C17200 5mm copper rod

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Product Description

Beryllium Copper Rod C17200 ASTM B196 TD04 Temper Dia.30mmx1000mm

Product Normal Description:

Product Name: Beryllium copper rod

Grade: C17200, ASTM B196

Dia.: 30mm

Length: 1000mm

State: TD04(Hard)

Product Brand: jinshunlai

CUBERYLLIUM® is able to help you with your Beryllium Copper needs. CUBERYLLIUM® is capable of producing the following grade of beryllium copper rod and bars, such as CuBe2-UNS.C17200 beryllium copper rods/ bars, CuBe2Pb-UNS.C17300 free cutting beryllium copper rods/bars, CuBe2Bi free lead, free cutting beryllium copper rod/bars (without Lead), CuCo2Be-UNS.C17500 Cobalt Beryllium Copper Rods/Bars, CuNi2Be-UNS.C17510 Nickel Beryllium Copper Rods/ Bars, CuCo1Ni1Be Cobalt Nickel Beryllium Copper Rods/Bars, CuNiBeTi Nickel Titanium Beryllium Copper Rod/bars.

Chemical Composition of Beryllium Copper Alloy C17200:

Beryllium(Be): 1.80-2.00%

Cobalt(Co) + Nickel(Ni): 0.20% Min

Cobalt(Co) + Nickel(Ni) + Iron(Fe): 0.60% Max

Lead: 0.02% Max

Copper(Cu): Balance

Note: Copper plus additions equal 99.5% Minimum.

The "King" of all high-strength Copper Alloys, C17200 (AMS 4590 / AMS 4530) non-magnetic alloy offers the best of all worlds when it comes to engineering requirements. Strength, conductivity, ductility, corrosion resistance, machineability, and formability—all rival most any other alloy, Copper or otherwise.

Typical Physical Properties of Beryllium Copper Alloy C17200:

Density (g/cm3):	8.36
Density before age hardening (g/cm3):	8.25
Elastic Modulus (kg/mm2 (103)):	13.4
Thermal Expansion Coefficient (20 °C to 200 °C m/m/°C):	17 x 10-6
Thermal Conductivity (cal/cm-s-°C)):	0.25
Melting Range (°C):	870-980

Mechanical and Electrical Properties of Beryllium Copper Rod C17200

Temper (*)	Diameter	Heat Treatment	Tensile Strength ksi	Elongation Percent (Min)	Electrical Conductivity Percent IACS	Hardness Rockwell B or C Scale
A(TB00)	ALL SIZE	/	400~600	30	15~19	B45~85
1/2H(T B04)	5~40	/	550~700	10	15~19	B78
H(TD04)	5~10	/	660~900	5	15~19	B88
	10~25	/	620~860	5	15~19	
	25	/	590~830	5	15~19	
AT(TF0 0)	ALL SIZE	3 hr 320°C	1100~1380	2	22~28	C35~42
HT(TH 04)	5~10	2 hr 320°C	1200~1550	1	22~28	C37~45
	10~25		1150~1520	1	22~28	C36~44
	25		1120~1480	1	22~28	C35~44





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