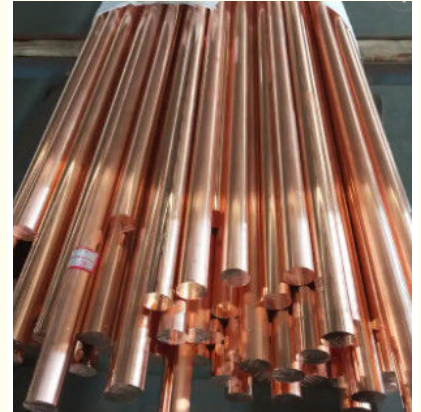


Alloy 173 Solid Copper Rod Beryllium Copper Round Bar ASTM B196

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
- Conductivity: 100% IACS
- Corrosion Resistance: Excellent
- Density: 8.96 G/cm3
- Material: Copper
- Melting Point: 1083°C
- Shape: Rod
- Highlight: **ASTM Solid Copper Rod, 173 Solid Copper Rod, Alloy beryllium copper round bar**

Product Description

Copper Alloy 173 beryllium Shape Rods/Bars By Standard ASTM B196

Product Description:

Product Name	Copper Alloy 173 Beryllium Rods/Bars
Grade	Alloy 173
End Product Form	Rods/ Bars
Standard	ASTM B196
State of product	TD04
Processing	Seamless / Welding
Feature	With high strength and high conductivity
Specification	Dia. and Length: according customers' requirement

Note: Copper plus additions equal 99.5% minimum.

Typical Physical Properties of High Strength Beryllium Copper Alloys C17300:

Density: 8.36g/cm³

Density before age hardening: 8.25g/cm³

Melting Range: 870~980

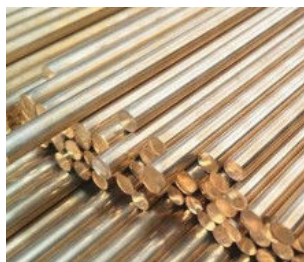
Elastic Modulus((kg/mm² (103))): 13.4

Thermal Expansion Coefficient(20 °C to 200 °C m/m/°C): 17 x 10⁻⁶

Thermal Conductivity(cal/(cm-s-°C)): 0.25

Mechanical and Electrical Properties of Copper Alloy 173 beryllium Shape Rods/Bars:

Temp er(*)	Dia meter	Heat Treatment	Tensile Strength ksi	Elongation Percent (Min)	Electrical Conductivity Percent IACS	Hardness Rockwell B or C Scale
A(TB0 0)	ALL SIZE	/	400~600	30	15~19	B45~85
H(TD0 4)	5~10	/	660~900	5	15~19	B88
	10~25	/	620~860	5	15~19	
	25	/	590~830	5	15~19	
AT(TF 00)	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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