



C17300 Solid Copper Rod TD04 Temper Polished Surface For Pipe Welding

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: C17300 Solid Copper Rod,
TD04 Solid Copper Rod,
C17300 copper pipe welding rod

Product Description

Material C17300 Solid Copper Rod TD04 Temper 2.0mmdia. x 2000mmL 1.3mmdia. x 2000mmL

Product Description:

Name: Solid copper rod

Grade: C17300

End Product Form: Rods/ Bars

Standard: ASTM B196, QQ-C-530

State of product: H(TD04)

Processing: Seamless / Welding

Feature: With high strength and high conductivity

Package: Pack in coil+waterproofing winding film+Drier+Wooden Case

Specification: 2.0mmdia. x 2000mmL 1.3mmdia. x 2000mmL

Chemical Composition of Material C17300 Copper Alloy:

CUBERYLLIUM® Brand	UNS-Number	Beryllium	Cobalt + Nickel	+Cobalt + Nickel + Iron	Pb	Copper
Cuberyllium-C173	C17300	1.80-2.00	0.20 min	0.6 max	0.2 0.6	Balance

Note: Copper plus additions equal 99.5% minimum.

Typical Physical Properties of Material C17300 Copper Alloy:

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 Material C17300 Copper Rod:

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
H(TD04)	5~10	/	660~900	5	15~19	B88
	10~25	/	620~860	5	15~19	
	25	/	590~830	5	15~19	
AT(TF00)	ALL SIZE	3 hr 320°C	1100~1380	2	22~28	C35~42
HT(TH04)	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

Applicable Specifications of Material C17300 Copper Alloy:

Form or Sub-Form	Specification	Application	System	Standard	Description
Bar			MILITARY	MIL-C-21657	Copper-beryllium alloy, Low magnetic effect (for special purpose tools and equipment)
			ASTM	B196/B196M	Copper beryllium alloy rod and bar
Rod			ASTM	B196/B196M	Copper beryllium alloy rod and bar
			MILITARY	MIL-C-21657	Copper-beryllium alloy, Low magnetic effect (for special purpose tools and equipment)
Wire			ASTM	B197/B197M	Copper beryllium alloy wire





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