



OEM Beryllium Pure Copper Rod Tube TF00 UNS C17000 For Electronic

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
- Density: 8.96 G/cm3
- Electrical Conductivity: 59.6 %IACS
- Material: Copper
- Melting Point: 1083.4°C
- Shape: Rod
- Thermal Conductivity: 401 W/mK
- Highlight: **OEM pure copper rod, C17000 pure copper rod, uns c17000 Rod**

Product Description

Annealed And Aged (AT or TF00) C17000 Copper Beryllium Rods For Electronic Connectors

Product Name: Annealed And Aged (AT or TF00) Copper Beryllium Rods

Grade: C17000

Diameter Range: 6mm~50mm

Length: 2m, 3m, 5m, 6m or as required

State: Annealed And Aged (AT or TF00)

Typical Applications of C17000 Copper Beryllium Alloys:

The following are the major applications of the UNS C17000 copper:

- Electrical/electronic connectors
- Current-carrying springs
- Precision screw machined parts
- Welding electrode
- Bearings
- Plastic molds
- Corrosion resistant components

Typical Physical Properties of C17000 Copper Beryllium Alloys:

Cuberyllium Brand	Density lb/cu.in.	Elastic Modulus	Thermal Expansion Coefficient	Thermal Conductivity	Melting Temp.
		106 psi	in/in/°F, 70°F to 400°F	Btu/(ft·hr·°F)	°F
170	0.304	19	9.7 x 10 ⁻⁶	60	1600-1800

Mechanical Properties of C17000 Copper Beryllium Rods:

Cuberyllium 170 Temper		Tensile Strength	Yield Offset	Elongation	Hardness
		x 1000 P.S.I.	0.2% offset x 1000 P.S.I.	% in 2 Inches	.020 Gauge and Above
TM00	AM	100 - 110	70 - 95	18 ~30	B 98
TM01	1/4HM	110 - 120	80 - 110	15 ~ 25	C 20 - 26
TM02	1/2HM	120 - 135	95 - 125	12~22	C 24 - 30
TM04	HM	135 - 150	110 - 135	9~20	C 28 - 35
TM05	SHM	150 - 160	125 - 140	9~18	C 31 - 37
TM06	XHM	155 - 175	135 - 165	3~10	C 32 - 38
Hardness Legend B : Rockwell (100 kgf Steel Sphere) C: Rockwell (150 kgf Diamond Cone)					

NOTE: The information contained herein are intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. It is given without obligation or liability. Contact us for manufacturers' complete material property datasheets.

Other designations that Common Standard Speciare equivalent to C17000 copper include:

- ASTM B194
- ASTM B196
- ASTM B570
- SAE J461
- SAE J463



