



CuCo1Ni1Be Beryllium Copper Round Bar CW103C 3mm Copper Rod Cobalt Nickel

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: 90000tons



Product Specification

- Color: Red Yellow
- Highlight: CuCo1Ni1Be Copper Round Bar, CW103C Copper Round Bar, Cobalt Nickel 3mm copper rod



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Product Description

CUCO1NI1BE BERYLLIUM COPPER ROD-CW103C Cobalt Nickel Beryllium Copper Rod

Product Details:

Product Material	CuCo1Ni1Be
End Product	Round rod, bar
Europe Standard	CW103C, DIN 2.1285
Chemical Composition	Be:0.40-0.70%, Co: 0.80-1.30%, Ni: 0.80-1.30%, Cu: Balance Note: Copper plus additions equal 99.5% minimum
State for rod	A(TB00),H(TD04),AT(TF00),HT(TH04)
Other available products	plates, flat bar
State for plate	AT(TF00),HT(TH04)

Introduction of CUCO1NI1BE material:

CuCo1Ni1Be-CW103C(DIN.2.1285), Cobalt Nickel Beryllium Copper, contains low Cobalt, Nickel and Beryllium.

After hot forging and heat treatment process, the hardness, electrical conductivity and electrical conductivity of this material are also significantly improved.

By changing the heat treatment conditions, different electrical conductivity and mechanical combinations can be obtained;

CuCo1Ni1Be still has good strength and mechanical properties, and the electrical conductivity is between In the range of 45-60% copper, the ultimate tensile and mechanical properties are close to 140 ksi and RB 100, respectively, and all of its properties are comparable to CuCo2Be-C17500 and CuNi2Be-C17510, respectively.

Typical Physical Properties of CUCO1NI1BE material:

Density(g/cm3)	8.83
Density before age hardening (g/cm3)	8.75
Modulus of elasticity (kg/mm2 (103))	14.1
Coefficient of thermal expansion (20 °C to 200 °C m/m/°C)	17 x 10-6
Thermal conductivity	209 W/m • at 20 C
Normal Melting range (°C)	1000-1070

Note:

- 1). the units are based upon Metric.
- 2). the typical physical properties apply to age hardened products.

Our Normal Material Grades and Available End Products:

<u>C17200</u>	round rod, bar, plate, wire, strip, ribbon, foil, tube, blok
<u>C17300</u>	round rod, bar
<u>C17510</u>	round rod, bar, flat bar, plate
<u>C17500</u>	round rod, bar, plate
CuCo1Ni1Be	round rod, bar, flat bar, palte

Typical Use of CUCO1NI1BE material:

Electrical Industry	
Fuse clips	switch components
relay components	connector non-ferrous metal materials
plastic mold tools	butt welding pliers
submerged arc welding contacts	



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