



Small Capillary Solid Copper Tube Beryllium Copper Pipe Alloy 25

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
- Delivery Time: 5day
- Payment Terms: L/C, T/T , Western Union,D/P
- Supply Ability: 90000ton



Product Specification

- Application: Industrial
- Color: Red
- Inner Diameter: Customized
- Length: Customized
- Material: Copper
- Outer Diameter: Customized
- Packaging: Carton
- Shape: Tube
- Size: Customized
- Surface Treatment: Polished
- Tolerance: Customized
- Wall Thickness: Customized
- Color: Red Yellow
- Highlight: **Solid Copper Tube Pipe, 25 Solid Copper Tube, Capillary beryllium copper pipe**

Product Description

PRODUCT DESCRIPTION

SMALL TUBE ALLOY 25 CAPILLARY TUBE USED FOR ELECTRICAL EQUIPMENT PRODUCTION
PRODUCT NORMAL DESCRIPTION:

MATERIAL GRADE	ALLOY 25
OTHER NAMES	C172, CUBE2, DIN 2.1247, CW101C
END PRODUCT FORM	SMALL TUBES
STANDARD	ASTM STANDARD
STATE OF PRODUCT	HARD, 1/2HARD
APPLICATION	ELECTRICAL EQUIPMENT, 5G BASE STATION

ABOUT CUBERYLLIUM:

CUBERYLLIUM IS ONE OF THE EMINENT MANUFACTURER AND EXPORTER OF HIGH GRADE BERYLLIUM COPPER ALLOYS, INCLUDING BERYLLIUM COPPER STRIPS, BERYLLIUM COPPER RODS, BERYLLIUM COPPER BARS, BERYLLIUM COPPER PLATES, BERYLLIUM COPPER SHEET, BERYLLIUM COPPER WIRES, BERYLLIUM COPPER TUBES AND SO NO.

CUBERYLLIUM OFFERS A COMMENDABLE RANGE OF BERYLLIUM COPPER ALLOYS WITH COMPETITIVE PRICE. WE OFFER BERYLLIUM COPPER ALLOYS THAT ARE FABRICATED BY OUR ADROIT PROFESSIONALS USING SUPREME CLASS RAW MATERIAL AS PER THE SET INDUSTRY NORMS.

WITH HOLDING YEARS OF EXPERIENCE IN MANUFACTURING, WE CONTINUE TO OFFER ROBUST QUALITY OF BERYLLIUM COPPER ALLOYS WITH VERY REASONABLE PRICES ACROSS ALL OVER THE WORLD.

INTRODUCTION OF BERYLLIUM COPPER ALLOY:

BERYLLIUM COPPER COMBINES THE HIGH ELECTRICAL CONDUCTIVITY, HIGH THERMAL CONDUCTIVITY, AND EASE OF MACHINING OF COPPER WITH THE HIGH STRENGTH AND SPRING PROPERTIES OF BERYLLIUM. WITH THE ADDITION OF 0.5% TO 3.0% BERYLLIUM TO COPPER, THIS ALLOY OFFERS STRENGTH COMPARABLE TO SPECIAL STEEL.

BERYLLIUM COPPER PIPES IS AN AGE-HARDENING ALLOY WHICH ATTAINS THE HIGHEST STRENGTH OF ANY COPPER BASE ALLOY. IT MAY BE AGE HARDENED AFTER FORMING INTO SPRINGS, INTRICATE FORMS OR COMPLEX SHAPES. IT HAS SUPERB SPRING PROPERTIES, CORROSION RESISTANCE AND STABILITY AS WELL AS GOOD CONDUCTIVITY AND LOW CREEP. BERYLLIUM COPPER PIPES HAS EXCELLENT METALWORKING, FORMING AND MACHINING QUALITIES. IT HAS MANY SPECIALIZED APPLICATIONS IN TOOLS FOR HAZARDOUS ENVIRONMENTS, MUSICAL INSTRUMENTS, PRECISION MEASUREMENT DEVICES, BULLETS, AND AEROSPACE. BERYLLIUM-CONTAINING ALLOYS CREATE AN INHALATION HAZARD DURING MANUFACTURING DUE TO THEIR TOXIC PROPERTIES.

CHEMICAL COMPOSITION OF BERYLLIUM COPPER ALLOY 25:

ALLOY NUMBER	BE	NI CO	NI CO FE	BE NI CO FE CU
C17200 / ALLOY 25	1.8-2.0	≥0.2	≤0.6	≥99.5

PHYSICAL PROPERTIES OF BERYLLIUM COPPER ALLOY 25:

			YIELD STRENGTH		108 CYCLE S KSI	HARDNESS	
TEMPER	HEAT TREATMENT	TENSILE STRENGTH KSI	0.2% OFFSET KSI	ELONGATION %	FATIGUE STRENGTH	ROCKWELL B OR C	ELECTRICAL CONDUCTIVITY % IACS
A DEAD SOFT (TB00)	--	60-76	28-36	35-65	30-35	B45-78	15-19
A PLANISHED (TB00)	--	60-78	30-55	35-60	30-35	B45-78	15-19
1/4 H (TD01)	--	75-88	60-80	20-45	31-36	B68-90	15-19

1/2 H(TD02)	--	85-100	75-95	12-30	32-38	B88-96	15-19
H (TD04)	--	100-120	90-115	2-18	35-39	B96-102	15-19
AT (TF00)	3 HR. AT 600 °F	165-195	140-175	3-15	40-45	C36-42	22-28



copper
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