



## ASTM Bronze Metal Rod Machining Tellurium Copper OEM

Our Product Introduction

### Basic Information

- Place of Origin: china
- Brand Name: jinshunlai
- Certification: ISO, AISI, ASTM, GB, EN, DIN
- Model Number: 0.1mm-900mm
- Minimum Order Quantity: 1kg
- Price: Contact Us
- Packaging Details: Waterproof Paper, Steel Strip Packed and other Standard Export Seaworthy Package, or customized package
- Delivery Time: 5day
- Payment Terms: L/C, T/T , Western Union
- Supply Ability: 90000ton



### Product Specification

- Application: Decoration
- Color: Bronze
- Feature: High Strength
- Material: Bronze
- Package: Wooden Case
- Processing: Casting
- Shape: Plate
- Surface: Smooth
- CorrosionResistance: High
- Diameter: Various
- Ductility: High
- ElectricalConductivity: Low
- Finish: Polished
- Hardness: Medium
- Length: Various



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## Product Description

### PRODUCT DESCRIPTION

#### C14500/ QTe0.5 Tellurium Bronze Copper Rod Plate Sheet For New Energy Vehicles

##### Product Normal Description:

Product Name: Tellurium bronze copper rod plate sheet

Grade: C14500/ QTe0.5

Size: according customer's requirement

State: H02 H04

Typical Application: Electrical

Product Brand: CUBERYLLIUM®

##### Material Properties of C14500/ QTe0.5 Tellurium Bronze Copper Alloy:

C145 Tellurium Copper (TeCuP) has applications in the production of hot forged products, high-speed screw machine products and parts requiring high conductivity, extensive machining, corrosion resistance, copper color, or a combination of these. The addition of tellurium enhances the strength of the copper alloy and assists in chip breakage, allowing for much higher machining speeds and ultimately longer tool life than with pure copper in high-speed screw machines.

Typical Application of C14500/ QTe0.5 Tellurium Bronze Copper Alloy:	Gas cutting nozzles
	High-speed automatic screw machines
	Electrical Switches on power semiconductors
	Welding Torch tips
	Transformer & Circuit-breaker terminals
	Fasteners
	Production of hot forged products

##### Chemical Composition of C14500/ QTe0.5 Tellurium Bronze Copper Alloy:

CUBERYLLIUM® Brand	ASTM	Tellurium	Phosphorus	Copper
Cuberyllium-C145	C14500	0.40-0.70%	0.004-0.012%	99.2%

PHYSICAL PROPERTIES		GENERAL PROPERTIES	
(Guide values for 20° C)			
Density of g/cm³	8,94	Resistance to:	
Solidification range ° C	953-1080	– organic materials	n.a
Electrical conductivity m/Ω · mm2	50	– neutral / alkaline compounds	k.A.
Thermal conductivity W/(mK)	355	Formability	
Therm. linear expansion-		– Warm	1
coefficient 10-6/K	17,1	– Cold	2
Modulus of elasticity N/mm2	115.000		

##### Shape Available of C14500/ QTe0.5 Tellurium Bronze Copper Alloy:

Shape	Condition	Size
Straight Round Rod/Wire	Hard/Half Hard	Φ2-15mm
Straight Round Rod	Hard/Half Hard	Φ3-90mm
Flat Bars/Plates/Sheets	Hard/Half Hard	Φ5-100mm





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