

Material: ASTM B301 C14500

Standard Specification for Copper Rod, Bar, Wire and Shapes

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B301 Copper Rod, Bar, Wire and Shapes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Rod, Bar, Wire and Shapes

Chemical Composition			Heat Treatment	
Tellurium	Te %	0.400 - 0.700	Normalizing or Annealing or Tempering	
Phosphorus	P %	0.004 - 0.012		
Copper	Cu %	99.90 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	154.500 - 698.200
-	-	-	Yield Strength in Mpa	55 - 367
-	-	-	Elongation in %	4 - 12
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C14500	UNS	USA	Rod, Bar, Tube and Shapes
B224 C14500	ASTM	USA	Casting
B283 C14500	ASTM	USA	Forging
SB-283 C14500	ASME	USA	Forging
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-	-	-	-
-	-	-	-

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