

# Material: ASTM B301 C14700

## 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	
Phosphorus	P %	0.002 - 0.005	Normalizing or Annealing or Tempering	
Sulphur	S %	0.200 - 0.500		
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
C14700	UNS	USA	Rod, Bar, Tube and Shapes
B224 C14700	ASTM	USA	Casting
B283 C14700	ASTM	USA	Forging
SB-283 C14700	ASME	USA	Forging
-	-	-	-
-	-	-	-
-	-	-	-

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**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)