

## Material: ASTM B171 C61400

### Standard Specification for Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers and Heat Exchangers

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B171 Copper-Alloy Plate and Sheet for Pressure Vessels, Condensers and Heat Exchangers

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

**Grade Belongs to the Industry:** Plate and Sheet

Chemical Composition			Heat Treatment	
Aluminium	Al %	6.000 - 8.000	As Drawn or Stress Relieving	
Iron	Fe %	1.500 - 3.500		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.015 max.		
Lead	Pb %	0.010 max.		
Zinc	Zn %	0.200 max.		
Cu + Ag	Cu% + Ag%	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 450 - 485 Yield Strength in Mpa 180 - 195 Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61400	UNS	USA	Rod, Bar, Tube and Shapes
B100 C61400	ASTM	USA	Plate and Sheet
B111 C61400	ASTM	USA	Tubes
B169 C61400	ASTM	USA	Sheet, Strip and Bar
B315 C61400	ASTM	USA	Pipe and Tube
CA614	SAE	USA	Casting
SB-150 C61400	ASME	USA	Rod, Bar and Shapes

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