

Material - ASTM B171 C61300

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 - 7.500	As Drawn or Stress Relieving	
Iron	Fe %	2.000 - 3.000		
Manganese	Mn %	0.200 max.		
Ni + Co	Ni% + Co%	0.150 max.		
Phosphorus	P %	0.015 max.		
Lead	Pb %	0.010 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.200 - 0.500	Mechanical Properties Tensile Strength in Mpa 450 - 515 Yield Strength in Mpa 180 - 250 Elongation in % 30 - 35 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Zinc	Zn %	0.100 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61300	UNS	USA	Rod, Bar, Tube and Shapes
B100 C61300	ASTM	USA	Plate and Sheet
B111 C61300	ASTM	USA	Tubes
B169 C61300	ASTM	USA	Sheet, Strip and Bar
F467 C61300	ASTM	USA	Bolts, Screws and Studs
SB-111 C61300	ASME	USA	Tubes
SB-150 C61300	ASME	USA	Rod, Bar and Shapes

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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