

Material: ASME SB-171 C63200

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

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-171 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 %	8.700 - 9.500	Normalizing or Annealing or Tempering	
Iron	Fe %	3.500 - 4.300		
Manganese	Mn %	1.200 - 2.000		
Ni + Co	Ni% + Co%	4.000 - 4.800		
Lead	Pb %	0.020 max.		
Silicon	Si %	0.100 max.		
Cu + Ag	Cu% + Ag%	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 550 - 620 Yield Strength in Mpa 195 - 235 Elongation in % 10 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
B124 C63200	ASTM	USA	Rod, Bar and Shapes
B150 C63200	ASTM	USA	Rod, Bar and Shape
B171 C63200	ASTM	USA	Plate and Sheet
B283 C63200	ASTM	USA	Forging
SB-150 C63200	ASME	USA	Rod, Bar and Shape
SB-283 C63200	ASME	USA	Forging
C63200	UNS	USA	Rod, Bar and Shape

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