

Material: ASME SB-171 C70620

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	
Carbon	C %	0.050 max.	Normalizing or Annealing or Tempering	
Iron	Fe %	1.000 - 1.800		
Manganese	Mn %	1.000 max.		
Ni + Co	Ni% + Co%	9.000 - 11.000		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.020 max.		
Sulphur	S %	0.020 max.		
Zinc	Zn %	0.500 max.		
Cu + Ag	Cu% + Ag%	86.500 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	275 min.
-	-	-	Yield Strength in Mpa	105 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C70620	ASTM	USA	Rod, Bar and Shapes
B151 C70620	ASTM	USA	Bar
B171 C70620	ASTM	USA	Plate and Sheet
B283 C70620	ASTM	USA	Forging
B466 C70620	ASTM	USA	Pipe and Tube
SB-151 C70620	ASME	USA	Rod and Bar
SB-283 C70620	ASME	USA	Forging

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com