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		
Carbon	C %	0.050 max.
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.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

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

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