

Material: ASTM B96 C65500

Standard Specification for Copper-Silicon Alloy Plate, Sheet, Strip and Rolled Bar for General Purposes and Pressure Vessels

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B96 Copper-Silicon Alloy Plate, Sheet, Strip and Rolled Bar for General Purposes and Pressure Vessels

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

Belongs to the Industry: Plate, Sheet, Strip and Bar

Chemical Composition		
Iron	Fe %	0.800 max.
Manganese	Mn %	0.500 - 1.300
Ni + Co	Ni% + Co%	0.600 max.
Lead	Pb %	0.050 max.
Silicon	Si %	2.800 - 3.800
Zinc	Zn %	1.500 max.
Cu + Ag	Cu% + Ag%	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	360 - 800
Yield Strength in Mpa	125 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HRB	60 - 99
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C65500	ASTM	USA	Rod, Bar and Shapes
C65500	AS	Australia	Ingot and Casting
B100 C65500	ASTM	USA	Plate and Sheet
B283 C65500	ASTM	USA	Forging
B98 C65500	ASTM	USA	Rod, Bar and Shape
SB-98 C65500	ASME	USA	Rod, Bar and Shape
SB-283 C65500	ASME	USA	Forging

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