

Material: ASTM B584 C94800

Standard Specification for Copper Alloy Sand Casting for General Applications

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B584 Copper Alloy Sand Casting for General Applications

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Manganese	Mn %	0.200 max.		
Ni + Co	Ni% + Co%	4.500 - 6.000		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.300 - 1.000		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.150 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.500 - 6.000		
Zinc	Zn %	1.000 - 2.500	Mechanical Properties	
Copper	Cu %	84.000 - 89.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	276 min.
			Yield Strength in Mpa	138 min.
			Elongation in %	20 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94800	UNS	USA	Rod, Bar, Tube and Shapes
B292-B	ASTM	USA	Casting
B30 C94800	ASTM	USA	Ingot and Casting
B505 C94800	ASTM	USA	Casting
SB-505 C94800	ASME	USA	Casting
C94800	SAE	USA	Casting
CA948	SAE	USA	Casting

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