

Material: ASTM B584 C87600

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	
Iron	Fe %	0.200 max.	As-Cast	
Manganese	Mn %	0.250 max.		
Lead	Pb %	0.090 max.		
Silicon	Si %	3.500 - 5.500		
Zinc	Zn %	4.000 - 7.000		
Copper	Cu %	88.000 min.		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	414 min.
			Yield Strength in Mpa	207 min.
			Elongation in %	16 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C87600	UNS	USA	Rod, Bar, Tube and Shapes
B198-13C	ASTM	USA	Casting
B271 C87600	ASTM	USA	Casting
B30 C87600	ASTM	USA	Ingot and Casting
SB-584 C87600	ASME	USA	Casting
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