

Material: ASTM B198-12A

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 %	0.800 - 1.500		
Lead	Pb %	0.090 max.		
Silicon	Si %	3.500 - 4.500		
Zinc	Zn %	0.250 max.		
Copper	Cu %	94.000 min.		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	310 min.
			Yield Strength in Mpa	124 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
C87300	UNS	USA	Rod, Bar, Tube and Shapes
B271 C87300	ASTM	USA	Casting
B30 C87300	ASTM	USA	Ingot and Casting
B584 C87300	ASTM	USA	Casting
SB-584 C87300	ASME	USA	Casting
-	-	-	-
-	-	-	-

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