

Material: ASME SB-584 C87300

Standard Specification for Copper Alloy Sand Casting for General Applications

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-584 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	
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			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
B198-12A	ASTM	USA	Casting
B271 C87300	ASTM	USA	Casting
B30 C87300	ASTM	USA	Ingot and Casting
B584 C87300	ASTM	USA	Casting
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