

Material: ASTM B271 C87300

Standard Specification for Copper-Base Alloy Centrifugal Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B271 Copper-Base Alloy Centrifugal Casting

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

Belongs to the Industry: Casting

Chemical Composition		
Iron	Fe %	0.200 max.
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.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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
B198-12A	ASTM	USA	Casting
B30 C87300	ASTM	USA	Ingot and Casting
B584 C87300	ASTM	USA	Casting
SB-584 C87300	ASME	USA	Casting
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