



Material - ASTM B271 C87400

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			Heat Treatment	
Aluminium	Al %	0.800 max.	As-Cast	
Lead	Pb %	1.000 max.		
Silicon	Si %	2.500 - 4.000		
Zinc	Zn %	12.000 - 16.000		
Copper	Cu %	79.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	345 min.
			Yield Strength in Mpa	145 min.
			Elongation in %	18 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C87400	UNS	USA	Rod, Bar, Tube and Shapes
B30 C87400	ASTM	USA	Ingot and Casting
B584 C87400	ASTM	USA	Casting
SB-584 C87400	ASME	USA	Casting
C87400	SAE	USA	Casting
CA874	SAE	USA	Casting
CACIn803	KS	Korea	Ingot and Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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