

Material - ASTM B271 Silicon Brass UNS C87500

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Lead	Pb %	0.500 max.		
Zinc	Zn %	12.000 - 16.000		
Aluminium	Al %	0.500 max.		
Silicon	Si %	3.000 - 5.000	As-Cast	
Copper	Cu %	79.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	414 min.
-	-	-	Yield Strength in Mpa	165 min.
-	-	-	Elongation in %	16 min.
	-	-	Reduction of Area in %	-
-	-	-	Hardn <mark>ess in BH</mark> N	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
B30 C87500	ASTM	USA	Ingot and Casting	
B271 C87500	ASTM	USA	Casting	
C87500	SAE	USA	Casting	
CA875	SAE	USA	Casting	
B584 C87500	ASTM	USA	Casting	
SB-584 C87500	ASME	USA	Casting	
CACIn802	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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