



Material - ASTM B271 Silicon Bronze UNS C87300

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 %	0.200 max.	As-Cast	
Zinc	Zn %	0.250 max.		
Iron	Fe %	0.200 max.		
Manganese	Mn %	0.800 - 1.500		
Silicon	Si %	3.5000 - 5.000		
Copper	Cu %	94.000 min.		
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-	-	-	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 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B198-12A	ASTM	USA	Casting
B271 C87300	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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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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