



Material - ASME SB-584 C86400

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	
Aluminium	Al %	0.500 - 1.500	As-Cast	
Iron	Fe %	0.400 - 2.000		
Manganese	Mn %	0.100 - 1.000		
Ni + Co	Ni% + Co%	1.000 max.		
Lead	Pb %	0.500 - 1.500		
Tin	Sn %	0.500 - 1.500		
Zinc	Zn %	34.000 - 42.000		
Copper	Cu %	56.000 - 62.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	414 min.
-	-	-	Yield Strength in Mpa	138 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C86400	UNS	USA	Rod, Bar, Tube and Shapes
B132-A	ASTM	USA	Casting
B147-7A	ASTM	USA	Casting
B271 C86400	ASTM	USA	Casting
B30 7A	ASTM	USA	Ingot and Casting
B30 C86400	ASTM	USA	Ingot and Casting
B584 C86400	ASTM	USA	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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