



Material - ASTM B584 C85400

Standard Specification for Copper Alloy Sand Casting for General Applications

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B584 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 %	0.350 max.	As-Cast	
Iron	Fe %	0.700 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Lead	Pb %	1.500 - 3.800		
Silicon	Si %	0.050 max.		
Tin	Sn %	0.500 - 1.500		
Zinc	Zn %	24.000 - 32.000		
Copper	Cu %	65.000 - 70.000		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	207 min.
-	-	-	Yield Strength in Mpa	76 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
C85400	UNS	USA	Rod, Bar, Tube and Shapes
B30 C85400	ASTM	USA	Ingot and Casting
B271 C85400	ASTM	USA	Casting
C85400	SAE	USA	Casting
CA854	SAE	USA	Casting
C85400	AS	Australia	Casting
CACIn202	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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