Material - ASME SB-584 C85200

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 %	0.005 max.	As-Cast
Iron	Fe %	0.600 max.	
Ni + Co	Ni% + Co%	1.000 max.	
Phosphorus	P %	0.020 max.	
Lead	Pb %	1.500 - 3.800	
Sulphur	S %	0.050 max.	
Antimony	Sb %	0.200 max.	
Silicon	Si %	0.050 max.	

Chemical Composition			Mechanical Properties	
Tin	Sn %	0.700 - 2.000		
Zinc	Zn %	20.000 - 27.000	Tensile Strength in Mpa	241 min.
Copper	Cu %	70.000 - 74.000	Yield Strength in Mpa	83 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C85200	UNS	USA	Rod, Bar, Tube and Shapes
B146-6A	ASTM	USA	Casting
B271 C85200	ASTM	USA	Casting
B30 6A	ASTM	USA	Ingot and Casting
B30 C85200	ASTM	USA	Ingot and Casting
C85200	SAE	USA	Casting
CA852	SAE	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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