



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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.		
Tin	Sn %	0.700 - 2.000		
Zinc	Zn %	20.000 - 27.000		
Copper	Cu %	70.000 - 74.000	Mechanical Properties Tensile Strength in Mpa 241 min. Yield Strength in Mpa 83 min. Elongation in % 25 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
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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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