



Material - ASTM B584 C85700

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 %	0.800 max.	As-Cast	
Iron	Fe %	0.700 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Lead	Pb %	0.800 - 1.500		
Silicon	Si %	0.050 max.		
Tin	Sn %	0.500 - 1.500		
Zinc	Zn %	32.000 - 40.000		
Copper	Cu %	58.000 - 64.000		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 276 min. Yield Strength in Mpa 97 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
C85700	UNS	USA	Rod, Bar, Tube and Shapes
B176 C85700	ASTM	USA	Casting
B271 C85700	ASTM	USA	Casting
B30 C85700	ASTM	USA	Ingot and Casting
B505 C85700	ASTM	USA	Casting
SB-584 C85700	ASME	USA	Casting
CACIn203	KS	Korea	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.