



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-584 C87300

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	
Iron	Fe %	0.200 max.	As-Cast	
Manganese	Mn %	0.800 - 1.500		
Lead	Pb %	0.090 max.		
Silicon	Si %	3.500 - 4.500		
Zinc	Zn %	0.250 max.		
Copper	Cu %	94.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		310 min.		
Yield Strength in Mpa		124 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
C87300	UNS	USA	Rod, Bar, Tube and Shapes
B198-12A	ASTM	USA	Casting
B271 C87300	ASTM	USA	Casting
B30 C87300	ASTM	USA	Ingot and Casting
B584 C87300	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

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.

ONE STOP SOLUTION FOR METAL PARTS