



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B584 C86700

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 %	1.000 - 3.000	As-Cast	
Iron	Fe %	1.000 - 3.000		
Manganese	Mn %	1.000 - 3.500		
Ni + Co	Ni% + Co%	1.000 max.		
Lead	Pb %	0.500 - 1.500		
Tin	Sn %	1.500 max.		
Zinc	Zn %	30.000 - 38.000		
Copper	Cu %	55.000 - 60.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	552 min.
-	-	-	Yield Strength in Mpa	221 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
C86700	UNS	USA	Rod, Bar, Tube and Shapes
B132-B	ASTM	USA	Casting
B271 C86700	ASTM	USA	Casting
B30 C86700	ASTM	USA	Ingot and Casting
SB-584 C86700	ASME	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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