

Material: ASTM B132-B

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
B271 C86700	ASTM	USA	Casting
B30 C86700	ASTM	USA	Ingot and Casting
B584 C86700	ASTM	USA	Casting
SB-584 C86700	ASME	USA	Casting
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