

Material: ASME SB-584 C86700

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 %	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 -	
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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
B584 C86700	ASTM	USA	Casting
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