

## Material: ASTM B198-13C

### 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	
Iron	Fe %	0.200 max.	As-Cast	
Manganese	Mn %	0.250 max.		
Lead	Pb %	0.090 max.		
Silicon	Si %	3.500 - 5.500		
Zinc	Zn %	4.000 - 7.000		
Copper	Cu %	88.000 min.		
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-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 414 min. Yield Strength in Mpa 207 min. Elongation in % 16 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C87600	UNS	USA	Rod, Bar, Tube and Shapes
B271 C87600	ASTM	USA	Casting
B30 C87600	ASTM	USA	Ingot and Casting
B584 C87600	ASTM	USA	Casting
SB-584 C87600	ASME	USA	Casting
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