

# Material: ASTM B584 C87300

## 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		
Iron	Fe %	0.200 max.
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.
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-	-	-
-	-	-
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-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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
SB-584 C87300	ASME	USA	Casting
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**Customer Care:** +91-99090 45075 **Email:** [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India