

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

Heat Treatment
As-Cast

Mechanical Properties	
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	-

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
-	-	-	-
-	-	-	-

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**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