

Material: ASTM B271 Leaded Semi-Red Brass UNS C84800

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B271 Copper-Base Alloy Centrifugal Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	2.000 - 3.000	As-Cast	
Lead	Pb %	5.500 - 7.000		
Zinc	Zn %	13.000 - 17.000		
Iron	Fe %	0.400 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Antimony	Sb %	0.250 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	0.020 max.		
Copper	Cu %	75.000 - 77.000	Mechanical Properties Tensile Strength in Mpa 193 min. Yield Strength in Mpa 83 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
B271 C84800	ASTM	USA	Casting
B30 C84800	ASTM	USA	Ingot and Casting
B505 C84800	ASTM	USA	Casting
B584 C84800	ASTM	USA	Casting
SB-505 C84800	ASME	USA	Casting
SB-584 C84800	ASME	USA	Casting
B145-5B	ASTM	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