

Material: ASTM B271 Leaded Red Brass UNS C83800

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 %	3.300 - 4.200	As-Cast	
Lead	Pb %	5.000 - 7.000		
Zinc	Zn %	5.000 - 8.000		
Iron	Fe %	0.300 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 %	0.030 max.		
Copper	Cu %	82.000 - 83.800	Mechanical Properties Tensile Strength in Mpa 207 min. Yield Strength in Mpa 90 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
C83800	SAE	USA	Casting
B145-4B	ASTM	USA	Casting
B30 C83800	ASTM	USA	Casting
B505 C83800	ASTM	USA	Casting
CA838	SAE	USA	Casting
B584 C83800	ASTM	USA	Casting
SB-505 C83800	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