

Material: ASTM B271 Lead Nickel Bronze UNS C97800

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 %	4.000 - 5.500	As-Cast	
Lead	Pb %	1.000 - 2.500		
Zinc	Zn %	1.000 - 4.000		
Iron	Fe %	1.500 max.		
Ni + Co	Ni% + Co%	24.000 - 27.000		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.150 max.		
Antimony	Sb %	0.200 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	0.050 max.		
Other	Ot%	1.000 max.	Mechanical Properties Tensile Strength in Mpa 345 min. Yield Strength in Mpa 152 min. Elongation in % 10 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	64.000 - 67.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B149-11B	ASTM	USA	Casting
B30 C97800	ASTM	USA	Ingot and Casting
B271 C97800	ASTM	USA	Casting
B505 C97800	ASTM	USA	Casting
B584 C97800	ASTM	USA	Casting
SB-505 C97800	ASME	USA	Casting
SB-584 C97800	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