

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	
Copper	Cu %	64.000 - 67.000		
-	-	-		
-	-	-		
-	-	-		
			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	-

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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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