

Material: ASTM B271 Nickel Alumium Bronze UNS C95800

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	
Lead	Pb %	0.030 max.	As-Cast or Annealing or Tempering	
Iron	Fe %	3.500 - 4.500		
Ni + Co	Ni% + Co%	4.000 - 5.000		
Aluminium	Al %	8.500 - 9.500		
Manganese	Mn %	0.800 - 1.500		
Silicon	Si %	0.100 max.		
Copper	Cu %	79.000 min.		
-	-	-	Mechanical Properties Tensile Strength in Mpa 585 min. Yield Strength in Mpa 240 min. Elongation in % 15 min. Reduction of Area in % - Hardness in BHN 262 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B148 C95800	ASTM	USA	Casting
B271 C95800	ASTM	USA	Casting
SB-148 C95800	ASME	USA	Casting
SB-505 C95800	ASME	USA	Casting
C95800	SAE	USA	Casting
CACIn703	KS	Korea	Ingot and Casting
B505 C95800	ASTM	USA	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com