

Material - ASTM B271 Alumium Bronze UNS C95400

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	
Iron	Fe %	3.000 - 5.000	As-Cast or Solution Annealing or Annealing or Normalizing	
Ni + Co	Ni% + Co%	1.500 max.		
Aluminium	Al %	10.000 - 11.500		
Manganese	Mn %	0.500 max.		
Copper	Cu %	83.000 min.		
-	-	-	Mechanical Properties Tensile Strength in Mpa 515 min. Yield Strength in Mpa 205 min. Elongation in % 12 min. Reduction of Area in % - Hardness in BHN 150 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B66 C95400	ASTM	USA	Casting
B148 C95400	ASTM	USA	Casting
SB-148 C95400	ASME	USA	Casting
SB-148 Grade C	ASME	USA	Casting
CA954	SAE	USA	Casting
C95400	SAE	USA	Casting
C95400	AS	Australia	Ingot and 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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