

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	-

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

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