

Material: ASME SB-148 C95300

Standard Specification for Aluminum-Bronze Sand Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-148 Aluminum-Bronze Sand Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	9.000 - 11.000	As-Cast or Solution Annealing or Annealing	
Iron	Fe %	0.800 - 1.500		
Copper	Cu %	86.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	450 - 550
			Yield Strength in Mpa	170 - 275
			Elongation in %	12 - 20
			Reduction of Area in %	-
			Hardness in HB	110 - 160
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95300	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95300	ASTM	USA	Casting
B148 Grade B	ASTM	USA	Casting
SB-148 Grade B	ASME	USA	Casting
SB-505 C95300	ASME	USA	Casting
C95300	SAE	USA	Casting
CA953	SAE	USA	Casting

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