

# Material: ASME SB-148 C95400

## 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 %	10.000 - 11.500	As-Cast or Solution Annealing or Annealing	
Iron	Fe %	3.000 - 5.000		
Manganese	Mn %	0.500 max.		
Ni + Co	Ni% + Co%	1.500 max.		
Copper	Cu %	83.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	515 - 620
			Yield Strength in Mpa	205 - 310
			Elongation in %	6 - 12
			Reduction of Area in %	-
			Hardness in HB	150 - 190
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95400	UNS	USA	Rod, Bar, Tube and Shapes
B66 C95400	ASTM	USA	Casting
B148 C95400	ASTM	USA	Casting
SB-148 Grade C	ASME	USA	Casting
CA954	SAE	USA	Casting
C95400	SAE	USA	Casting
C95400	AS	Australia	Ingot and Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)