

Material: ASME SB-148 C95820

Standard Specification for Aluminum-Bronze Sand Castings

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 - 10.000	As-Cast	
Iron	Fe %	4.000 - 5.000		
Manganese	Mn %	1.500 max.		
Ni + Co	Ni% + Co%	4.500 - 5.800		
Lead	Pb %	0.020 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.200 max.		
Zinc	Zn %	0.200 max.		
Copper	Cu %	77.500 min.		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	650 min.
			Yield Strength in Mpa	270 min.
			Elongation in %	13 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95820	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95820	ASTM	USA	Casting
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-	-	-	-
-	-	-	-
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