

Material: ASTM B505 Alumium Bronze UNS C95400

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous Casting

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	
Ni + Cu	Ni % + Cu %	1.500 max.	As-Cast or Solution Annealing or Annealing	
Iron	Fe %	3.000 - 5.000		
Manganese	Mn %	0.500 max.		
Aluminium	Al %	10.000 - 11.500		
Copper	Cu %	83.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	586 min.
			Yield Strength in Mpa	221 min.
			Elongation in %	12 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			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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