

Material: ASTM B505 UNS C95700

Standard Specification for Copper Alloy Continuous Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous 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	
Lead	Pb %	0.030 max.	As-Cast	
Ni + Cu	Ni% + Cu%	1.500 - 3.000		
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	11.000 - 14.000		
Aluminium	Al %	7.000 - 8.000		
Silicon	Si %	0.100 max.		
Copper	Cu %	71.000 min.		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	620 min.
			Yield Strength in Mpa	275 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B148 C95700	ASTM	USA	Casting
B148 Grade F	ASTM	USA	Casting
B30 9F	ASTM	USA	Casting
SB-148 C95700	ASME	USA	Casting
SB-148 Grade 9F	ASME	USA	Casting
SB-148 Grade F	ASME	USA	Casting
CACIn704	KS	Korea	Ingot and Casting

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