

Material: ASTM B505 C94000

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 Copper Alloy Continuous Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Co	Ni% + Co%	0.500 - 1.000		
Phosphorus	P %	1.500 max.		
Lead	Pb %	14.000 - 16.000		
Sulphur	S %	0.250 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	12.000 - 14.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	69.000 - 72.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HB	80
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94000	UNS	USA	Rod, Bar, Tube and Shapes
B30 C94000	ASTM	USA	Ingot and Casting
SB-505 C94000	ASME	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
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