

Material: ASTM B505 C93900

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 %	0.400 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	1.500 max.		
Lead	Pb %	14.000 - 18.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	5.000 - 7.000		
Zinc	Zn %	1.500 max.		
Copper	Cu %	76.500 - 79.500	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	172 min.
			Yield Strength in Mpa	110 min.
			Elongation in %	5 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93900	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93900	ASTM	USA	Ingot and Casting
SB-505 C93900	ASME	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
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