

Material: ASME SB-505 C93900

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-505 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	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			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
B505 C93900	ASTM	USA	Casting
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-	-	-	-
-	-	-	-
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