

Material: ASME SB-505 C92500

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 %	0.300 max.		
Ni + Co	Ni% + Co%	0.800 - 1.500		
Phosphorus	P %	1.500 max.		
Lead	Pb %	1.000 - 1.500		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	10.000 - 12.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	85.000 - 88.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	276 min.
			Yield Strength in Mpa	165 min.
			Elongation in %	10 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92500	UNS	USA	Rod, Bar, Tube and Shapes
B30 C92500	ASTM	USA	Ingot and Casting
B505 C92500	ASTM	USA	Casting
CA925	SAE	USA	Casting
SAE 640	SAE	USA	Casting
-	-	-	-
-	-	-	-

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