

Material: ASTM B505 C96900

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	
Magnesium	Mg %	0.150 max.	As-Cast or Solution Annealing	
Manganese	Mn %	0.050 - 0.300		
Niobium	Nb %	0.100 max.		
Ni + Co	Ni% + Co%	14.500 - 15.500		
Lead	Pb %	0.020 max.		
Silicon	Si %	0.300 max.		
Tin	Sn %	7.500 - 8.500		
Zinc	Zn %	0.500 max.		
Copper	Cu %	Balance		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	758 min.
			Yield Strength in Mpa	724 min.
			Elongation in %	4 min.
			Reduction of Area in %	-
			Hardness in HR	32 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C96900	UNS	USA	Rod, Bar, Tube and Shapes
SB-505 C96900	ASME	USA	Casting
Cu-15Ni-8Sn	SAE	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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