

Material: ASTM B505 UNS C96900

Standard Specification for Copper Alloy Continuous Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous Castings

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

Belongs to the Industry: Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	7.500 - 8.500	As-Cast or Solution Annealing	
Lead	Pb %	0.020max.		
Zinc	Zn %	0.500 max.		
Ni + Cu	Ni% + Cu%	14.500 - 15.500		
Iron	Fe %	0.500 max.		
Manganese	Mn %	0.050 - 0.300		
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 BHN		-		
Impact in Joule		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B505 C96900	ASTM	USA	Casting
SB-505 C96900	ASME	USA	Casting
Cu-15Ni-8Sn	SAE	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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