

Material: ASTM B505 Lead Tin Bronze UNS C92700

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

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

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 %	9.000 - 11.000	As-Cast	
Lead	Pb %	1.000 - 2.500		
Zinc	Zn %	0.700 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Iron	Fe %	0.200 max.		
Antimony	Sb %	0.250 max.		
Sulphur	S %	0.050 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Copper	Cu %	86.000 - 89.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	252 min.
			Yield Strength in Mpa	138 min.
			Elongation in %	8 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C92700	ASTM	USA	Ingot and Casting
B505 C92700	ASTM	USA	Casting
CA927	SAE	USA	Casting
SAE 63	SAE	USA	Casting
SB-505 C92700	ASME	USA	Casting
C92700	SAE	USA	Casting
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