

Material: ASTM B30 C94700

Standard Specification for Copper Alloys Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B30 Copper Alloys Ingot and Casting

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

Belongs to the Industry: Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast or Solution Annealing	
Iron	Fe %	0.200 max.		
Manganese	Mn %	0.200 max.		
Ni + Co	Ni% + Co%	4.500 - 6.000		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.080 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.100 max.		
Silicon	Si %	0.0050 max.		
Tin	Sn %	4.700 - 6.000		
Zinc	Zn %	1.300 - 2.500	Mechanical Properties Tensile Strength in Mpa 310 min. Yield Strength in Mpa 138 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	86.000 - 89.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94700	UNS	USA	Rod, Bar, Tube and Shapes
B292-A	ASTM	USA	Casting
B505 C94700	ASTM	USA	Casting
B584 C94700	ASTM	USA	Casting
SB-505 C94700	ASME	USA	Casting
C94700	SAE	USA	Casting
CA947	SAE	USA	Casting

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