

Material: ASTM B30 C93700

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	
Iron	Fe %	0.100 max.		
Ni + Co	Ni% + Co%	0.500 max.		
Phosphorus	P %	1.500 max.		
Lead	Pb %	8.300 - 10.700		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	9.300 - 10.700		
Zinc	Zn %	0.800 max.		
Copper	Cu %	78.000 - 81.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	220 min.
			Yield Strength in Mpa	110 min.
			Elongation in %	6 min.
			Reduction of Area in %	-
			Hardness in HB	70 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93700	UNS	USA	Rod, Bar, Tube and Shapes
B22 C93700	ASTM	USA	Casting
SB-505 C93700	ASME	USA	Casting
SB-584 C93700	ASME	USA	Casting
C93700	SAE	USA	Casting
CA937	SAE	USA	Casting
C93700	AS	Australia	Ingot and Casting

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