

Material: ASTM B30 C92700

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 %	0.150 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	0.250 max.		
Lead	Pb %	1.000 - 2.300		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	9.300 - 11.000		
Zinc	Zn %	0.800 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
C92700	UNS	USA	Rod, Bar, Tube and Shapes
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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