

Material: ASTM B30 C94100

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%	0.800 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	15.000 - 21.700		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.700 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.700 - 6.500		
Zinc	Zn %	1.000 max.		
Copper	Cu %	74.000 - 79.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	172 min.
			Yield Strength in Mpa	117 min.
			Elongation in %	7 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94100	UNS	USA	Rod, Bar, Tube and Shapes
B505 C94100	ASTM	USA	Casting
SB-505 C94100	ASME	USA	Casting
941C	AS	Australia	Casting
C94100	AS	Australia	Casting
-	-	-	-
-	-	-	-

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