

Material: ASTM B30 C94300

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 %	23.000 - 27.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.700 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.700 - 5.800		
Zinc	Zn %	0.800 max.		
Copper	Cu %	69.000 - 72.000	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	165 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94300	UNS	USA	Rod, Bar, Tube and Shapes
B144-3E	ASTM	USA	Casting
B505 C94300	ASTM	USA	Casting
C94300	SAE	USA	Casting
CA943	SAE	USA	Casting
SB-505 C94300	ASME	USA	Casting
SB-584 C94300	ASME	USA	Casting

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