

Material: ASTM B505 C94100

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 Copper Alloy Continuous Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Phosphorus	P %	1.500 max.		
Lead	Pb %	18.000 - 22.000		
Sulphur	S %	0.250 max.		
Antimony	Sb %	0.800 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.500 - 6.500		
Zinc	Zn %	1.000 max.		
Copper	Cu %	72.000 - 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 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94100	UNS	USA	Rod, Bar, Tube and Shapes
B30 C94100	ASTM	USA	Ingot and Casting
SB-505 C94100	ASME	USA	Casting
941C	AS	Australia	Casting
C94100	AS	Australia	Casting
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