

Material: ASTM B505 C91000

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 %	0.100 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	1.500 max.		
Lead	Pb %	0.200 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	14.000 - 16.000		
Zinc	Zn %	1.500 max.		
Copper	Cu %	84.000 - 86.000	Mechanical Properties Tensile Strength in Mpa 207 min. Yield Strength in Mpa - Elongation in % - 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
C91000	UNS	USA	Rod, Bar, Tube and Shapes
B30 C91000	ASTM	USA	Ingot and Casting
SB-505 C91000	ASME	USA	Casting
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