

Material: ASME SB-505 C91000

Standard Specification for Copper Alloy Continuous Casting

Group: *Non-Ferrous Copper Alloy*

Sub Group: *ASME SB-505 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	-

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
B505 C91000	ASTM	USA	Casting
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-	-	-	-
-	-	-	-
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