

# Material: ASME SB-505 C94000

## 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 %	0.250 max.		
Ni + Co	Ni% + Co%	0.500 - 1.000		
Phosphorus	P %	1.500 max.		
Lead	Pb %	14.000 - 16.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	12.000 - 14.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	69.000 - 72.000	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 80 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94000	UNS	USA	Rod, Bar, Tube and Shapes
B30 C94000	ASTM	USA	Ingot and Casting
B505 C94000	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)