

Material: ASME SB-505 C94100

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%	1.000 max.		
Phosphorus	P %	1.500 max.		
Lead	Pb %	18.000 - 22.000		
Sulphur	S %	0.080 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	-

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
B505 C94100	ASTM	USA	Casting
941C	AS	Australia	Casting
C94100	AS	Australia	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