

Material: ASTM B292-A

Standard Specification for Copper Alloy Sand Casting for General Applications

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B292 Copper Alloy Sand Casting for General Applications

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 or Solution Annealing	
Iron	Fe %	0.250 max.		
Manganese	Mn %	0.200 max.		
Ni + Co	Ni% + Co%	4.500 - 6.000		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.090 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.150 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	4.500 - 6.000		
Zinc	Zn %	1.000 - 2.500	Mechanical Properties Tensile Strength in Mpa 310 - 517 Yield Strength in Mpa 138 - 345 Elongation in % 5 - 25 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	85.000 - 90.000		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94700	UNS	USA	Rod, Bar, Tube and Shapes
B30 C94700	ASTM	USA	Ingot and Casting
B505 C94700	ASTM	USA	Casting
B584 C94700	ASTM	USA	Casting
SB-505 C94700	ASME	USA	Casting
C94700	SAE	USA	Casting
CA947	SAE	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