

Material: ASTM B22 C91300

Standard Specification for Bronze Casting Application:or Construction Industry

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B22 Bronze Casting Application:or Construction Industry

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 max.		
Phosphorus	P %	1.000 max.		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	18.000 - 20.000		
Zinc	Zn %	0.250 max.		
Copper	Cu %	79.000 - 82.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HB	170 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C91300	UNS	USA	Rod, Bar, Tube and Shapes
B505 C91300	ASTM	USA	Casting
SB-505 C91300	ASME	USA	Casting
80Cu-19Sn	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