

Material - ASTM B22 C91300

Standard Specification for Bronze Casting Application for Construction Industry

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B22 Bronze Casting Application for 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	Mechanical Properties	
Zinc	Zn %	0.250 max.	Tensile Strength in Mpa	-
Copper	Cu %	79.000 - 82.000	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
-	-	-	-
-	-	-	-
-	-	-	-

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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