

Material: ASME SB-505 C91300

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 max.				
Phosphorus	P %	1.500 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	160 min.
-	-	-			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C91300	UNS	USA	Rod, Bar, Tube and Shapes
B22 C91300	ASTM	USA	0
B505 C91300	ASTM	USA	Casting
80Cu-19Sn	SAE	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-

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