

Material: ASTM B30 C91000

Standard Specification for Copper Alloys Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B30 Copper Alloys Ingot and Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Aluminium	Al %	0.005 max.
Iron	Fe %	0.100 max.
Ni + Co	Ni% + Co%	0.800 max.
Phosphorus	P %	0.030 max.
Lead	Pb %	0.200 max.
Sulphur	S %	0.050 max.
Antimony	Sb %	0.100 max.
Silicon	Si %	0.005 max.
Tin	Sn %	14.300 - 16.000
Zinc	Zn %	1.500 max.
Copper	Cu %	84.000 - 86.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast	

Mechanical Properties	
Tensile Strength in Mpa	207 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C91000	UNS	USA	Rod, Bar, Tube and Shapes
B505 C91000	ASTM	USA	Casting
SB-505 C91000	ASME	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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