

Material - ASTM B505 C94700

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 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 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	Mechanical Properties	
Zinc	Zn %	1.000 - 2.500	Tensile Strength in Mpa	310 - 517
Copper	Cu %	85.000 - 90.000	Yield Strength in Mpa	138 - 345
-	-	-	Elongation in %	5 - 25
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94700	UNS	USA	Rod, Bar, Tube and Shapes
B292-A	ASTM	USA	Casting
B30 C94700	ASTM	USA	Ingot and Casting
B584 C94700	ASTM	USA	Casting
SB-505 C94700	ASME	USA	Casting
C94700	SAE	USA	Casting
CA947	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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