

Material - ASTM B30 C90500

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			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.150 max.		
Ni + Co	Ni% + Co%	0.800 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	9.500 - 10.500	Mechanical Properties	
Zinc	Zn %	1.500 - 3.000	Tensile Strength in Mpa	276 min.
Copper	Cu %	86.000 - 89.000	Yield Strength in Mpa	124 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C90500	UNS	USA	Rod, Bar, Tube and Shapes
B271 C90500	ASTM	USA	Casting
SB-505 C90500	ASME	USA	Casting
SB-584 C90500	ASME	USA	Casting
CA905	SAE	USA	Casting
SAE62	SAE	USA	Casting
4845	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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