

Material - ASTM B505 UNS C95700

Standard Specification for Copper Alloy Continuous Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Castings

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Lead	Pb %	0.030 max.	As-Cast	
Ni + Cu	Ni% + Cu%	1.500 - 3.000		
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	11.000 - 14.000		
Aluminium	Al %	7.000 - 8.000		
Silicon	Si %	0.100 max.		
Copper	Cu %	71.000 min.		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	620 min.
			Yield Strength in Mpa	275 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B148 C95700	ASTM	USA	Casting
B148 Grade F	ASTM	USA	Casting
B30 9F	ASTM	USA	Casting
SB-148 C95700	ASME	USA	Casting
SB-148 Grade 9F	ASME	USA	Casting
SB-148 Grade F	ASME	USA	Casting
CACIn704	KS	Korea	Ingot and 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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