

Material: ASTM B30 C95500

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 %	10.000 - 11.500	As-Cast or Solution Annealing or Annealing	
Iron	Fe %	3.000 - 5.000		
Manganese	Mn %	3.500 max.		
Ni + Co	Ni% + Co%	3.000 - 5.500		
Copper	Cu %	78.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	620 - 760
			Yield Strength in Mpa	275 - 415
			Elongation in %	5 - 6
			Reduction of Area in %	-
			Hardness in HB	190 - 200
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95500	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95500	ASTM	USA	Casting
B271 C95500	ASTM	USA	Casting
SB-148 C95500	ASME	USA	Casting
SB-505 C95500	ASME	USA	Casting
CA955	SAE	USA	Casting
C95500	SAE	USA	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com