



Material - ASTM B271 C95500

Standard Specification for Copper-Base Alloy Centrifugal Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B271 Copper-Base Alloy Centrifugal Casting

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

Grade Belongs to the Industry - 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
B30 C95500	ASTM	USA	Ingot and Casting
SB-148 C95500	ASME	USA	Casting
SB-505 C95500	ASME	USA	Casting
CA955	SAE	USA	Casting
C95500	SAE	USA	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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