

# Material: ASTM B271 C95410

## 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 %	0.500 max.		
Ni + Co	Ni% + Co%	1.500 - 2.500		
Copper	Cu %	83.000 min.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	515 - 620
			Yield Strength in Mpa	205 - 310
			Elongation in %	6 - 12
			Reduction of Area in %	-
			Hardness in HB	150 - 190
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C95410	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95410	ASTM	USA	Casting
B30 C95410	ASTM	USA	Ingot and Casting
B505 C95410	ASTM	USA	Casting
SB-148 C95410	ASME	USA	Casting
SB-505 C95410	ASME	USA	Casting
CACIn702	KS	Korea	Ingot and Casting

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