

Material: ASTM B271 C86300

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 %	5.000 - 7.500	As-Cast	
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	2.500 - 5.000		
Ni + Cu	Ni % + Cu %	1.000 max.		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.200 max.		
Zinc	Zn %	22.000 - 28.000		
Copper	Cu %	60.000 - 66.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	758 min.
			Yield Strength in Mpa	414 min.
			Elongation in %	12 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C86300	UNS	USA	Rod, Bar, Tube and Shapes
B30 C86300	ASTM	USA	Ingot and Casting
CA863	SAE	USA	Casting
SAE 430B	SAE	USA	Casting
SB-505 C86300	ASME	USA	Casting
SB-584 C86300	ASME	USA	Casting
C86300	AS	Australia	Casting

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