

Material: ASTM B271 C92300

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 %	0.005 max.	As-Cast	
Iron	Fe %	0.250 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.300 - 1.000		
Silicon	Si %	0.005 max.		
Tin	Sn %	7.500 - 9.000		
Zinc	Zn %	2.500 - 5.000		
Copper	Cu %	85.000 - 89.000		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	248 min.
-	-	-	Yield Strength in Mpa	110 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92300	UNS	USA	Rod, Bar, Tube and Shapes
B30 2B	ASTM	USA	Ingot and Casting
B30 C92300	ASTM	USA	Casting
B505 C92300	ASTM	USA	Casting
B584 C92300	ASTM	USA	Casting
SB-505 C92300	ASME	USA	Casting
CA923	SAE	USA	Ingot and Casting

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