

Material: ASME SB-271 C93600

Standard Specification for Copper-Base Alloy Centrifugal Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-271 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 %	0.200 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Phosphorus	P %	0.1500 max.		
Lead	Pb %	11.000 - 13.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.550 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	6.000 - 8.000		
Zinc	Zn %	1.000 max.		
Copper	Cu %	79.000 - 83.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	221 min.
			Yield Strength in Mpa	110 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93600	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93600	ASTM	USA	Ingot and Casting
B66 C93600	ASTM	USA	Casting
B271 C93600	ASTM	USA	Casting
B505 C93600	ASTM	USA	Casting
CACIn406	KS	Korea	Ingot and Casting
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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