

ASTM B271 High-Strength Yellow Brass UNS C86700

Standard Specification for Copper-Base Alloy Centrifugal Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B271 Copper-Base Alloy Centrifugal Castings

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

Belongs to the Industry: Rod, Bar, Tube and Shapes

Chemical Composition		
Tin	Sn %	1.500 max.
Lead	Pb %	0.500 - 1.500
Zinc	Zn %	30.000 - 38.000
Iron	Fe %	1.000 - 3.000
Ni + Co	Ni% + Co%	1.000 max.
Aluminium	Al %	1.000 - 3.000
Manganese	Mn %	1.000 - 3.500
Copper	Cu %	55.000 - 60.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	552 min.
Yield Strength in Mpa	221 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
B132-B	ASTM	USA	Casting
B271 C86700	ASTM	USA	Casting
B30 C86700	ASTM	USA	Ingot and Casting
B584 C86700	ASTM	USA	Casting
SB-584 C86700	ASME	USA	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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India