

Material: ASTM B271 Leaded Yellow Brass UNS C85700

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			Heat Treatment	
Tin	Sn %	0.500 - 1.500	As-Cast	
Lead	Pb %	0.800 - 1.500		
Zinc	Zn %	32.000 - 40.000		
Iron	Fe %	0.700 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.550 max.		
Silicon	Si %	0.050 max.		
Copper	Cu %	58.000 - 64.000		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	276 min.
-	-	-	Yield Strength in Mpa	97 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
B176 C85700	ASTM	USA	Casting
B271 C85700	ASTM	USA	Casting
B30 C85700	ASTM	USA	Casting
B505 C85700	ASTM	USA	Casting
B584 C85700	ASTM	USA	Casting
SB-584 C85700	ASME	USA	Casting
CACIn203	KS	Korea	Ingot and Casting

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