

Material - ASTM B271 Leaded Yellow Brass UNS C85200

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 %	0.700 - 2.000	As-Cast	
Lead	Pb %	1.500 - 3.800		
Zinc	Zn %	20.000 - 27.000		
Iron	Fe %	0.600 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.050 max.		
Antimony	Sb %	0.200 max.		
Sulphur	S %	0.05 max.	Mechanical Properties	
Phosphorus	P %	0.020 max.	Tensile Strength in Mpa	241 min.
Copper	Cu %	70.000 - 74.000	Yield Strength in Mpa	83 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B146-6A	ASTM	USA	Casting
B271 C85200	ASTM	USA	Casting
B30 6A	ASTM	USA	Ingot and Casting
B30 C85200	ASTM	USA	Ingot and Casting
C85200	SAE	USA	Casting
CA852	SAE	USA	Casting
SB-584 C85200	ASME	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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