

Material - ASTM B271 C86200

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 %	3.000 - 4.900	As-Cast	
Iron	Fe %	2.000 - 4.000		
Manganese	Mn %	2.500 - 5.000		
Ni + Cu	Ni % + Cu %	1.000 max.		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.200 max.		
Zinc	Zn %	22.000 - 28.000		
Copper	Cu %	60.000 - 66.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	621 min.
-	-	-	Yield Strength in Mpa	310 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
C86200	UNS	USA	Rod, Bar, Tube and Shapes
B147-8B	ASTM	USA	Casting
CA862	SAE	USA	Casting
SAE 430A	SAE	USA	Casting
SB-505 C86200	ASME	USA	Casting
SB-584 C86200	ASME	USA	Casting
CACIn303	KS	Korea	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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