

Material: ASTM B147-8B

Standard Specification for Copper Alloy Sand Casting for General Applications

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B147 Copper Alloy Sand Casting for General Applications

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 + Co	Ni% + Co%	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
B271 C86200	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

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