

Material: ASME SB-584 C86200

Standard Specification for Copper Alloy Sand Casting for General Applications

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-584 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
B147-8B	ASTM	USA	Casting
B271 C86200	ASTM	USA	Casting
CA862	SAE	USA	Casting
SAE 430A	SAE	USA	Casting
SB-505 C86200	ASME	USA	Casting
CACIn303	KS	Korea	Casting

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