

Material: SAE J462 CA838

Standard Specification for Cast Copper Alloys

Group: Non-Ferrous Copper Alloy

Sub Group: SAE J462 Cast Copper Alloys

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.300 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	5.000 - 7.000		
Silicon	Si %	0.005 max.		
Tin	Sn %	3.300 - 4.300		
Zinc	Zn %	5.000 - 8.000		
Aluminium	Al %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	200 min.
-	-	-	Yield Strength in Mpa	83 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
C83800	UNS	USA	Rod, Bar, Tube and Shapes
C83800	SAE	USA	Casting
B145-4B	ASTM	USA	Casting
B30 C83800	ASTM	USA	Casting
B505 C83800	ASTM	USA	Casting
B584 C83800	ASTM	USA	Casting
SB-505 C83800	ASME	USA	Casting

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