Material: SAE J462 CA938

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		
Aluminium	Al %	0.005 max.
Iron	Fe %	0.150 max.
Nickel	Ni %	0.800 max.
Phosphorus	P %	0.050 max.
Lead	Pb %	13.000 - 16.000
Antimony	Sb %	0.800 max.
Silicon	Si %	0.005 max.
Tin	Sn %	6.300 - 7.500
Zinc	Zn %	0.800 max.
Other	Ot%	0.200 max.
Copper	Cu %	75.000 - 79.000
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	172 min.
Yield Strength in Mpa	97 - 110
Elongation in %	5 - 10
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C93800	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93800	ASTM	USA	Ingot and Casting
B66 C93800	ASTM	USA	Ingot and Casting
SB-505 C93800	ASME	USA	Casting
SB-584 C93800	ASME	USA	Casting
C93800	SAE	USA	Casting
CACIn604	KS	Korea	Ingot and Casting

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