Material: SAE J462 CA937

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 %	1.000 max.
Phosphorus	P %	1.500 max.
Lead	Pb %	8.000 - 11.000
Antimony	Sb %	0.600 max.
Silicon	Si %	0.005 max.
Tin	Sn %	9.000 - 11.000
Zinc	Zn %	0.800 max.
Copper	Cu %	78.000 - 82.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	207 - 276
Yield Strength in Mpa	83 - 172
Elongation in %	6 - 15
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C93700	UNS	USA	Rod, Bar, Tube and Shapes
B22 C93700	ASTM	USA	Casting
B30 C93700	ASTM	USA	Ingot and Casting
SB-505 C93700	ASME	USA	Casting
SB-584 C93700	ASME	USA	Casting
C93700	SAE	USA	Casting
C93700	AS	Australia	Ingot and Casting

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