Material: SAE J462 CA953

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 %	9.000 - 11.000
Iron	Fe %	0.700 - 1.500
Other	Ot%	1.000 max.
Copper	Cu %	86.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Annealing or Annealing

Mechanical Properties	
Tensile Strength in Mpa	448 - 552
Yield Strength in Mpa	172 - 276
Elongation in %	12 - 20
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C95300	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95300	ASTM	USA	Casting
B148 Grade B	ASTM	USA	Casting
SB-148 C95300	ASME	USA	Casting
SB-148 Grade B	ASME	USA	Casting
SB-505 C95300	ASME	USA	Casting
C95300	SAE	USA	Casting

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