

Material: SAE J-462 C95500

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 %	10.000 - 11.500
Iron	Fe %	3.000 - 5.000
Manganese	Mn %	3.500 max.
Ni + Co	Ni% + Co%	3.000 - 5.000
Copper	Cu %	78.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Annealing or Annealing

Mechanical Properties	
Tensile Strength in Mpa	620 - 760
Yield Strength in Mpa	276 - 425
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
C95500	UNS	USA	Rod, Bar, Tube and Shapes
B148 C95500	ASTM	USA	Casting
B30 C95500	ASTM	USA	Ingot and Casting
B271 C95500	ASTM	USA	Casting
SB-148 C95500	ASME	USA	Casting
SB-505 C95500	ASME	USA	Casting
CA955	SAE	USA	Casting

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