

# Material: SAE J462 640

## 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 %	0.750 - 1.500		
Phosphorus	P %	0.200 - 0.300		
Lead	Pb %	1.000 - 1.500		
Tin	Sn %	10.000 - 12.000		
Zinc	Zn %	0.500 max.		
Copper	Cu %	85.000 - 88.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	241 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92500	UNS	USA	Rod, Bar, Tube and Shapes
B30 C92500	ASTM	USA	Ingot and Casting
B505 C92500	ASTM	USA	Casting
SB-505 C92500	ASME	USA	Casting
CA925	SAE	USA	Casting
-	-	-	-
-	-	-	-

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