

# Material: SAE J462 CA962

## 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		
Iron	Fe %	1.000 - 1.800
Manganese	Mn %	1.500 max.
Niobium	Nb %	1.000 max.
Nickel	Ni %	9.000 - 11.000
Other	Ot%	0.200 max.
Lead	Pb %	0.030 max.
Silicon	Si %	0.250 max.
Copper	Cu %	99.800 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	310 min.
Yield Strength in Mpa	170 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C96200	UNS	USA	Rod, Bar, Tube and Shapes
B30 C96200	ASTM	USA	Ingot and Casting
B369 C96200	ASTM	USA	Casting
C96200	SAE	USA	Casting
SB-369 C96200	ASME	USA	Casting
C96200	AS	Australia	Casting
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