

Material: SAE J462 C96200

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		
Carbon	C %	0.150 max.
Iron	Fe %	1.000 - 1.800
Manganese	Mn %	1.500 max.
Niobium	Nb %	1.000 max.
Ni + Co	Ni% + Co%	9.000 - 11.000
Lead	Pb %	0.030 max.
Silicon	Si %	0.300 max.
Copper	Cu %	84.500 - 87.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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
CA962	SAE	USA	Casting
SB-369 C96200	ASME	USA	Casting
C96200	AS	Australia	Casting
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