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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Customer Care: +91-99090 45075 Email: info@icastllp.com