

Material: SAE J462 C93200

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 %	0.200 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Phosphorus	P %	0.150 max.		
Lead	Pb %	6.000 - 8.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.350 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	6.300 - 7.500		
Zinc	Zn %	2.000 - 4.000		
Copper	Cu %	81.000 - 85.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	205 - 240
			Yield Strength in Mpa	95 - 140
			Elongation in %	10 - 15
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C93200	UNS	USA	Rod, Bar, Tube and Shapes
B30 C93200	ASTM	USA	Ingot and Casting
SB-505 C93200	ASME	USA	Casting
SB-584 C93200	ASME	USA	Casting
C93200	AS	Australia	Ingot and Casting
CA932	SAE	USA	Casting
SAE 660	SAE	USA	Casting

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