

Material: SAE J462 CA927

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 %	0.150 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.250 max.		
Lead	Pb %	1.000 - 2.500		
Tin	Sn %	9.000 - 11.000		
Zinc	Zn %	0.750 max.		
Copper	Cu %	86.000 - 89.000		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	241 - 262
			Yield Strength in Mpa	124 - 138
			Elongation in %	8 - 10
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92700	UNS	USA	Rod, Bar, Tube and Shapes
B30 C92700	ASTM	USA	Ingot and Casting
B505 C92700	ASTM	USA	Casting
SAE 63	SAE	USA	Casting
SB-505 C92700	ASME	USA	Casting
C92700	SAE	USA	Casting
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