

Material: SAE CA907

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	
Nickel	Ni %	0.500 max.		
Phosphorus	P %	0.300 max.		
Lead	Pb %	0.500 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	10.000 - 12.000		
Other	Ot%	1.000 max.		
Copper	Cu %	88.000 - 89.000		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	241 - 276
			Yield Strength in Mpa	124 - 172
			Elongation in %	10 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C90700	UNS	USA	Rod, Bar, Tube and Shapes
B30 C90700	ASTM	USA	Ingot and Casting
B427 C90700	ASTM	USA	Casting
B505 C90700	ASTM	USA	Casting
SB-505 C90700	ASME	USA	Casting
SAE 65	SAE	USA	Casting
CACIn502	KS	Korea	Ingot and Casting

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