

Material: SAE J462 922

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 %	0.250 max.		
Nickel	Ni %	1.000 max.		
Lead	Pb %	1.000 - 2.000		
Tin	Sn %	5.500 - 6.500		
Zinc	Zn %	3.000 - 5.000		
Copper	Cu %	86.000 - 90.000		
-	-	0		
-	-	0		
-	-	0		
			Mechanical Properties	
Tensile Strength in Mpa			234 - 262	
Yield Strength in Mpa			131 min.	
Elongation in %			18 - 22	
Reduction of Area in %			-	
Hardness in BHN			-	
Impact in Joule			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92200	UNS	USA	Rod, Bar, Tube and Shapes
B30 C92200	ASTM	USA	Ingot and Casting
B61 C92200	ASTM	USA	Casting
SB-61 C92200	ASME	USA	Casting
SB-505 C922000	ASME	USA	Casting
SAE 922	SAE	USA	Casting
CACIn407	KS	Korea	Ingot and Casting

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