

# Material: SAE CA923

## 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:** Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.300 max.		
Nickel	Ni %	1.000 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	1.000 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	7.500 - 9.000		
Zinc	Zn %	2.500 - 5.000		
Other	Ot%	0.300 max.		
Copper	Cu %	85.000 - 89.000		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 248 - 276 Yield Strength in Mpa 110 - 131 Elongation in % 16 - 18 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C92300	UNS	USA	Rod, Bar, Tube and Shapes
B30 2B	ASTM	USA	Ingot and Casting
B30 C92300	ASTM	USA	Casting
B271 C92300	ASTM	USA	Casting
B505 C92300	ASTM	USA	Casting
B584 C92300	ASTM	USA	Casting
SB-505 C92300	ASME	USA	Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)