

# Material: SAE J462 CA852

## 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	
Iron	Fe %	0.600 max.	As-Cast	
Nickel	Ni %	1.000 max.		
Other	Ot%	0.350 max.		
Lead	Pb %	1.500 - 3.800		
Tin	Sn %	0.700 - 2.000		
Copper	Cu %	70.000 - 74.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 241 min. Yield Strength in Mpa 83 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C85200	UNS	USA	Rod, Bar, Tube and Shapes
B146-6A	ASTM	USA	Casting
B271 C85200	ASTM	USA	Casting
B30 6A	ASTM	USA	Ingot and Casting
B30 C85200	ASTM	USA	Ingot and Casting
C85200	SAE	USA	Casting
SB-584 C85200	ASME	USA	Casting

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