

Material: SAE J462 C85400

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		
Aluminium	Al %	0.350 max.
Iron	Fe %	0.700 max.
Ni + Co	Ni% + Co%	1.000 max.
Lead	Pb %	1.500 - 3.800
Silicon	Si %	0.050 max.
Tin	Sn %	0.500 - 1.500
Zinc	Zn %	24.000 - 32.000
Copper	Cu %	65.000 - 70.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	205 min.
Yield Strength in Mpa	75 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C85400	UNS	USA	Rod, Bar, Tube and Shapes
B30 C85400	ASTM	USA	Ingot and Casting
B271 C85400	ASTM	USA	Casting
B584 C85400	ASTM	USA	Casting
CA854	SAE	USA	Casting
C85400	AS	Australia	Casting
CACIn202	KS	Korea	Ingot and Casting

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