Material: SAE J462 430A

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 %	3.000 - 7.500
Iron	Fe %	2.000 - 4.000
Manganese	Mn %	2.500 - 5.000
NiCkel	Ni %	0.500 max.
Lead	Pb %	0.200 max.
Tin	Sn %	0.200 max.
Copper	Cu %	60.000 - 68.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	621 min.
Yield Strength in Mpa	310 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**
C86200	UNS	USA	Rod, Bar, Tube and Shapes
B147-8B	ASTM	USA	Casting
B271 C86200	ASTM	USA	Casting
CA862	SAE	USA	Casting
SB-505 C86200	ASME	USA	Casting
SB-584 C86200	ASME	USA	Casting
CACIn303	KS	Korea	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*