

Material: UNS C83800

Standard Specification for Metals and alloys in the unified numbering system

Group: Non-Ferrous Copper Alloy

Sub Group: UNS C83800 Metals and alloys in the unified numbering system

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 %	0.300 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	5.000 - 7.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	3.300 - 4.200		
Zinc	Zn %	5.000 - 8.000		
Copper	Cu %	82.000 - 83.800	Mechanical Properties Tensile Strength in Mpa 221 min. Yield Strength in Mpa 110 min. Elongation in % 13 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C84200	UNS	USA	Rod, Bar, Tube and Shapes
B30 C84200	ASTM	USA	Casting
B505 C84200	ASTM	USA	Casting
SB-505 C84200	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