



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 -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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
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-	-	-	-
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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