

Material: ASTM B505 Leaded Semi-Red Brass UNS C84200

Standard Specification for Copper Alloy Continuous Castings

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 / 505M Copper Alloys for Continuous Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	4.000 - 6.000	As-Cast	
Lead	Pb %	2.000 - 3.000		
Zinc	Zn %	10.000 - 16.000		
Ni + Cu	Ni% + Cu%	0.800 max.		
Iron	Fe %	0.400 max.		
Antimony	Sb %	0.250 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Copper	Cu %	78.000 - 82.000	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
B30 C84200	ASTM	USA	Casting
B505 C84200	ASTM	USA	Casting
SB-505 C84200	ASME	USA	Casting
C83800	UNS	USA	Casting
-	-	-	-
-	-	-	-
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