

Material: ASTM B505 C84400

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B505 Copper Alloy Continuous Casting

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	
Aluminium	Al %	0.005 max.	As-Cast	
Iron	Fe %	0.400 max.		
Ni + Co	Ni% + Co%	1.000 max.		
Phosphorus	P %	1.500 max.		
Lead	Pb %	6.000 - 8.000		
Sulphur	S %	0.080 max.		
Antimony	Sb %	0.250 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	2.300 - 3.500		
Zinc	Zn %	7.000 - 10.000		
Copper	Cu %	78.000 - 82.000	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	207 min.
			Yield Strength in Mpa	103 min.
			Elongation in %	16 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C84400	UNS	USA	Rod, Bar, Tube and Shapes
B145-5A	ASTM	USA	Casting
B271 C84400	ASTM	USA	Casting
B30 5A	ASTM	USA	Casting
B30 C84400	ASTM	USA	Casting
SB-505 C84400	ASME	USA	Casting
SB-584 C84400	ASME	USA	Casting

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