

Material: ASME SB-505 C96400

Standard Specification for Copper Alloy Continuous Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASME SB-505 Copper Alloy Continuous Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast	
Iron	Fe %	0.250 - 1.500		
Manganese	Mn %	1.500 max.		
Niobium	Nb %	0.500 - 1.500		
Ni + Co	Ni% + Co%	28.000 - 32.000		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.010 max.		
Sulphur	S %	0.020 max.		
Silicon	Si %	0.500 max.		
Copper	Cu %	65.000 - 69.000		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	448 min.
			Yield Strength in Mpa	241 min.
			Elongation in %	25 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C96400	UNS	USA	Rod, Bar, Tube and Shapes
B30 C96400	ASTM	USA	Ingot and Casting
B369 C96400	ASTM	USA	Casting
B505 C96400	ASTM	USA	Casting
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-	-	-	-
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