

Material: ASTM B369 C96200

Standard Specification for Copper -Nickel Alloy Casting

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B369 Copper -Nickel Alloy Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 max.	As-Cast	
Iron	Fe %	1.000 - 1.800		
Manganese	Mn %	1.500 max.		
Niobium	Nb %	1.000 max.		
Ni + Co	Ni% + Co%	9.000 - 11.000		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.010 max.		
Sulphur	S %	0.020 max.		
Silicon	Si %	0.500 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 310 min. Yield Strength in Mpa 170 min. Elongation in % 20 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
C96200	UNS	USA	Rod, Bar, Tube and Shapes
B30 C96200	ASTM	USA	Ingot and Casting
C96200	SAE	USA	Casting
CA962	SAE	USA	Casting
SB-369 C96200	ASME	USA	Casting
C96200	AS	Australia	Casting
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