



Material - UNS C78400

Standard Specification for Copper Nickel Zinc Alloy

Group - Non-Ferrous Copper Alloy

Sub Group - UNS Copper Nickel Zinc Alloy

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

Grade Belongs to the Industry - Rod and Bar

Chemical Composition			Heat Treatment	
Iron	Fe %	0.250 max.	Normalizing or Annealing or Tempering	
Manganese	Mn %	0.500 max.		
Nickel	Ni %	9.000 - 11.000		
Lead	Pb %	0.800 - 1.400		
Cu + Ag	Cu% + Ag%	60.000 - 63.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 485 min. Yield Strength in Mpa - Elongation in % - 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
CuNi10Zn27	IS	India	Rod and Bar
B122 C75200	ASTM	USA	Plate, Sheet, Strip and Rolled Bar
B151 C75200	ASTM	USA	Rod and Bar
B206 C75700	ASTM	USA	Wire
C75700	UNS	USA	Rod and Bar
SB-151 C75700	ASME	USA	Rod and Bar
CuNi12Zn29	ISO	International	Plate, Sheet and Strip

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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