Material - IS 10757 CuNi18Zn27

Standard Specification for Nickel Silver Rods and Bars

Group - Non-Ferrous Copper Alloy

Sub Group - IS 10757 Nickel Silver Rods and Bars

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

Grade Belongs to the Industry - Rod and Bar

Chemical Composition			Heat Treatment
Lead	Pb %	0.050 max.	Hardening or Annealing
Iron	Fe %	0.300 max.	
Manganese	Mn %	0.500 max.	
Nickel	Ni %	17.000 - 19.000	
Other	Ot%	0.300 max.	
Copper	Cu %	53.000 - 56.000	
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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi18Zn27	ISO	International	Plate, Sheet and Strip
B122 C77000	ASTM	USA	Plate, Sheet, Strip and Rolled Bar
B151 C77000	ASTM	USA	Rod and Bar
B206 C77000	ASTM	USA	Wire
CuNi18Zn20	ISO	International	Plate, Sheet and Strip
CuNi18Zn27	AFNOR NF	France	Plate, Sheet and Strip
CuNi18Zn27	DIN	Germany	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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