

Material: ASTM B151 C77000

Standard Specification for Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B151/B151M Copper-Nickel-Zinc Alloy (Nickel Silver) and Copper-Nickel Rod and Bar

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

Grade Belongs to the Industry: Rod and Bar

Chemical Composition		
Iron	Fe %	0.250 max.
Manganese	Mn %	0.500 max.
Ni + Co	Ni% + Co%	16.500 - 19.500
Lead	Pb %	0.050 max.
Cu + Ag	Cu% + Ag%	53.500 - 56.500
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Normalizing or Annealing or Tempering	

Mechanical Properties	
Tensile Strength in Mpa	485 - 760
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	IS	India	Rod and Bar
CuNi18Zn27	ISO	International	Plate, Sheet and Strip
B122 C77000	ASTM	USA	Plate, Sheet, Strip and Rolled 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

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