

# Material: IS 10757 CuNi10Zn27

## 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		
Lead	Pb %	0.050 max.
Iron	Fe %	0.300 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	9.000 - 11.000
Other	Ot%	0.300 max.
Copper	Cu %	61.000 - 65.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Hardening or Annealing

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
B122 C75200	ASTM	USA	Plate, Sheet, Strip and Rolled Bar
B151 C75200	ASTM	USA	Rod and Bar
C78400	UNS	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

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