

# Material: IS 12881

## Standard Specification for Nickel Iron Soft Magnetic Strip

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** IS 12881 Nickel Iron Soft Magnetic Strip

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

**Grade Belongs to the Industry:** Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.075 max.	As-Cast or Annealing or Age Hardning	
Manganese	Mn %	0.700 max.		
Other	Ot%	0.010 max.		
Nickel	Ni %	36.000 - 38.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	130 - 180
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
12836	IS	India	Rod
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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