

# Material: UNS N02270

## Standard Specification for Nickel Strip for Electron Tubes

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** UNS N02270 Nickel Strip for Electron Tubes

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

**Grade Belongs to the Industry:** Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.001 max.		
Manganese	Mn %	0.001 max.		
Copper	Cu %	0.001 max.		
Sulphur	S %	0.001 max.		
Magnesium	Mg %	0.001 max.		
Iron	Fe %	0.005 max.		
Titanium	Ti %	0.001 max.		
Nickel	Ni %	99.970 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	345 min.
-	-	-	Yield Strength in Mpa	110 min.
-	-	-	Elongation in %	50 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F3 Grade 4	ASTM	USA	Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)