



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ASTM F3 Grade 4

### Standard Specification for Nickel Strip for Electron Tubes

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM F3 Grade 4 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
UNS N02270	UNS	USA	Tube
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**