

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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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