

Material: DIN 2.4611

Standard Specification for Nickel and Nickel Alloy Rod, Wire and Strips

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4611 Nickel and Nickel Alloy Rod, Wire and Strips

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

Grade Belongs to the Industry: Rod, Wire and Strips

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 18.000		
Iron	Fe %	3.000 max.		
Molybdenum	Mo %	14.000 - 17.000		
sulphur	S %	0.015 max.		
Titanium	Ti %	0.200 - 0.700		
Other	Ot%	0.500 max.		
Ni + Co	Ni% + Co%	56.000 min.	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	650 min.
-	-	-	Yield Strength in Mpa	300 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	60 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SG-NiMo16Cr16Ti	DIN	Germany	Rod, Wire and Strips
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Customer Care: +91-99090 45075 Email: info@icastllp.com