

Material: DIN 2.4668

Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4668 Strips and Sheets of Nickel and Nickel Alloys

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

Grade Belongs to the Industry: Strip and Sheet

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 - 0.080	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.350 max.		
Manganese	Mn %	0.350 max.		
Chromium	Cr %	17.000 - 21.000		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.300 max.		
Molybdenum	Mo %	2.800 - 3.300		
Aluminium	Al %	0.300 - 0.700		
Boron	B %	0.006 max.		
Nickel	Ni %	50.000 - 55.000	Mechanical Properties	
Phosphorus	P %	0.015 max.	Tensile Strength in Mpa	800 min.
Sulphur	S %	0.015 max.	Yield Strength in Mpa	1030 min.
Titanium	Ti %	0.600 - 1.200	Elongation in %	10 min.
Iron	Fe %	Balance	Reduction of Area in %	8 min.
-	-	-	Hardness in HB	330 min.
			Impact in Joule	12 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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Customer Care: +91-99090 45075 Email: info@icastllp.com