

Material: DIN 2.4617

Standard Specification for Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4617 Nickel Base Alloy Plate, Sheet, Strip, Wire, Tube, Rod and Bars

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

Grade Belongs to the Industry: Plate, Sheet, Strip, Wire, Tube, Rod and Bars

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	1.000 max.		
Molybdenum	Mo %	26.000 - 30.000		
Cobalt	Co %	1.000 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	2.000 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.015 max.		
Nickel	Ni %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	745 - 1000
-	-	-	Yield Strength in Mpa	370 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	250 max.
-	-	-	Impact in Joule	120 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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