

Material: DIN 2.4660

Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4660 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 %	0.070 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	19.000 - 21.000		
Cobalt	Co %	1.500 max.		
Copper	Cu %	3.000 - 4.000		
Molybdenum	Mo %	2.000 - 3.000		
Nb + Ta	Nb% + Ta%	1.000 max.		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.015 max.		
			Mechanical Properties	
Nickel	Ni %	32.000 - 38.000	Tensile Strength in Mpa	550 min.
Iron	Fe %	Balance	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	220 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr20CuMo	DIN	Germany	Strip and Sheet
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-	-	-	-
-	-	-	-
-	-	-	-
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