

Material: DIN NiCr22Mo9Nb

Standard Specification for Nickel Strip, Sheet, Tube, Bar and Forging Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN NiCr22Mo9Nb Nickel Strip, Sheet, Tube, Bar and Forging Alloy

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

Grade Belongs to the Industry: Strip, Sheet, Tube, Bar and Forging

Chemical Composition		
Carbon	C %	0.030 max.
Silicon	Si %	0.400 max.
Manganese	Mn %	0.500 max.
Chromium	Cr %	21.000 - 23.000
Cobalt	Co %	1.000 max.
Aluminium	Al %	0.400 max.
Iron	Fe %	5.000 max.
Nb + Ta	Nb% + Ta%	3.200 - 3.800
Phosphorus	P %	0.010 max.
Sulphur	S %	0.010 max.
Titanium	Ti %	0.400 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	690 - 1050
Yield Strength in Mpa	275 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	290 max.
Impact in Joule	44 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4856	DIN	Germany	Strip, Sheet, Tube, Bar and Forging
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
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