



## Material - DIN 2.4856

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

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4856 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			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
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.	Mechanical Properties	
Sulphur	S %	0.010 max.	Tensile Strength in Mpa	690 - 1050
Titanium	Ti %	0.400 max.	Yield Strength in Mpa	275 min.
Nickel	Ni %	Balance	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	240 max.
-	-	-	Impact in Joule	44 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr22Mo9Nb	DIN	Germany	Strip, Sheet, Tube, Bar and Forging
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.