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

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