



Material - DIN 2.4700

Standard Specification for Nickel-base alloy NiCr21Mo20N Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4700 Nickel-base alloy NiCr21Mo20N Sheet and Strip

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

Grade Belongs to the Industry - Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	20.000 - 23.000		
Cobalt	Co %	0.300 max.		
Aluminium	Al %	0.400 max.		
Iron	Fe %	1.500 max.		
Molybdenum	Mo %	18.500 - 21.000		
Nitrogen	N %	0.020 - 0.150		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.	Mechanical Properties	
Tungsten	W %	0.300 max.	Tensile Strength in Mpa	760 min.
Copper	Cu %	0.500 max.	Yield Strength in Mpa	360 min.
Nickel	Ni %	Balance	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	120 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
VDM alloy 2120 MoN	Gravity	India	Sheet and Strip
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email 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.