



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 2.4811

Standard Specification for Nickel and Nickel Alloy Forgings

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4811 Nickel and Nickel Alloy Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.050 max.		
Manganese	Mn %	0.800 max.		
Chromium	Cr %	19.000 - 21.000		
Cobalt	Co %	2.500 max.		
Iron	Fe %	2.500 max.		
Copper	Cu %	0.500 max.		
Molybdenum	Mo %	14.000 - 17.000		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.015 max.		
Vanadium	V %	0.350 max.	Mechanical Properties	
Nickel	Ni %	58.000 min.	Tensile Strength in Mpa	700 min.
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	260 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr20Mo15	DIN	Germany	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

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.

ONE STOP SOLUTION FOR METAL PARTS