



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 2.4679

Standard Specification for Nickel and Nickel Alloy Castings

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4679 Nickel and Nickel Alloy Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.350 - 0.550	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.500 - 2.000				
Manganese	Mn %	0.500 - 1.500				
Chromium	Cr %	27.000 - 30.000				
Phosphorus	P %	0.045 max.				
Sulphur	S %	0.030 max.				
Tungsten	W %	4.000 - 5.500				
Nickel	Ni %	47.000 - 50.000				
-	-	-				
-	-	-	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	400 - 600		
-	-	-	Yield Strength in Mpa	220 min.		
-	-	-	Elongation in %	3 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4879	DIN	Germany	Casting
2.4879	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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