



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - UNS N26002

### Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N26002 Castings, Nickel and Nickel Alloy

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.800 max.				
Manganese	Mn %	1.000 max.				
Phosphorus	P %	0.025 max.				
Sulphur	S %	0.025 max.				
Chromium	Cr %	20.000 - 22.500				
Tungsten	W %	2.500 - 3.500				
Molybdenum	Mo %	12.500 - 14.500				
Vanadium	V %	0.350 max.				
Iron	Fe %	2.000 - 6.000				
Nickel	Ni %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.		
-	-	-	Yield Strength in Mpa	280 min.		
-	-	-	Elongation in %	30 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 CX2MW	ASTM	USA	Casting
SA-494 CX2MW	ASME	USA	Casting
C-NiCr21Mo14Fe4W3	AFNOR NF	France	Casting
NC6022	AFNOR NF	France	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](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.

**ONE STOP SOLUTION FOR METAL PARTS**