



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 619 N06022

Standard Specification for Nickel and Nickel-Cobalt Alloy Pipe

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 619 N06022 Nickel and Nickel-Cobalt Alloy Pipe

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

Grade Belongs to the Industry - Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	0.500 max.		
Cobalt	Co %	2.500 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	20.000 - 22.500		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	12.500 - 14.500		
Vanadium	V %	0.350 max.		
Tungsten	W %	2.500 - 3.500		
Iron	Fe %	2.000 - 6.000		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	310 min.
Elongation in %	45 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 576 N06022	ASTM	USA	Forging
B 574 N06022	ASTM	USA	Rod
B 575 N06022	ASTM	USA	Plate, Sheet and Strip
B 462 N06022	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
B 622 N06022	ASTM	USA	Pipe and Tube
B 626 N06022	ASTM	USA	Tube
N06022	UNS	USA	Wire

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