



## Material - ASTM B 472 N06002

### Standard Specification for Nickel Alloy Billets and Bars for Reforging

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 472 N06002 Nickel Alloy Billets and Bars for Reforging

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

Grade Belongs to the Industry - Billet and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.150	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	20.500 - 23.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	8.000 - 10.000		
Phosphorus	P %	0.040 max.		
Cobalt	Co %	0.500 - 2.500		
Iron	Fe %	17.000 - 20.000		
Tungsten	W %	0.200 - 1.000		
Nickel	Ni %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      655 min. Yield Strength in Mpa      240 min. Elongation in %      35 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 619 N06002	ASTM	USA	Pipe
B 622 N06002	ASTM	USA	Pipe and Tube
B 626 N06002	ASTM	USA	Tube
B 435 N06002	ASTM	USA	Plate, Sheet and Strip
B 572 N06002	ASTM	USA	Rod
SB-619 N06002	ASME	USA	Pipe
SB-622 N06002	ASME	USA	Pipe and Tube

**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.