



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

## Material - ASTM B 335 N10675

### Standard Specification for Nickel-Molybdenum Alloy Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 335 N10675 Nickel-Molybdenum Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Chemical Composition		
Carbon	C %	0.010 max.	Tungsten	W %	3.000 max.
Silicon	Si %	0.100 max.	Zirconium	Zr %	0.100 max.
Manganese	Mn %	3.000 max.	Ni + Mo	Ni% + Mo%	94.000 - 98.000
Phosphorus	P %	0.030 max.	Nickel	Ni %	65.000 min.
Cobalt	Co %	3.000 max.	-	-	-
Sulphur	S %	0.010 max.	<b>Heat Treatment</b>		
Chromium	Cr %	1.000 - 3.000	As-Cast or Annealing or Age Hardning		
Iron	Fe %	1.000 - 3.000	<b>Mechanical Properties</b>		
Molybdenum	Mo %	27.000 - 32.000	Tensile Strength in Mpa	760 min.	
Vanadium	V %	0.200 max.	Yield Strength in Mpa	350 min.	
Aluminium	Al %	0.500 max.	Elongation in %	40 min.	
Niobium	Nb %	0.200 max.	Reduction of Area in %	-	
Copper	Cu %	0.200 max.	Hardness in BHN	-	
Tantalum	Ta %	0.200 max.	Impact in Joule	-	
Titanium	Ti %	0.200 max.			

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10675	ASTM	USA	Plate, Sheet and Strip
B 564 N10675	ASTM	USA	Forging
B 472 N10675	ASTM	USA	Bar
B 619 N10675	ASTM	USA	Pipe
B 622 N10675	ASTM	USA	Pipe and Tube
B 626 N10675	ASTM	USA	Tube
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**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.

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