GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B 333 N10001

Standard Specification for Nickel-Molybdenum Alloy Plate, Sheet and Strip

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 333 N10001 Nickel-Molybdenum Alloy Plate, Sheet and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.050 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Cobalt	Co %	2.500 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	1.000 max.
Iron	Fe %	4.000 - 6.000
Molybdenum	Mo %	26.000 - 30.000
Vanadium	V %	0.200 - 0.400
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	310 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HRC	100 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B 335 N10001	ASTM	USA	Rod
B 619 N10001	ASTM	USA	Pipe
B 622 N10001	ASTM	USA	Pipe and Tube
B 626 N10001	ASTM	USA	Tube
SB-333 N1001	ASME	USA	Plate, Sheet and Strip
N10001	UNS	USA	Plate, Sheet and Strip
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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

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