



Material - UNS N10001

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

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS 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			Heat Treatment	
Carbon	C %	0.120 max.	As-Cast or Annealing or Age Hardning	
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 %	6.000 max.		
Molybdenum	Mo %	26.000 - 30.000		
Vanadium	V %	0.600 max.		
Nickel	Ni %	Balance	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 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 333 N10001	ASTM	USA	Plate, Sheet and Strip
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 N10001	ASME	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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