

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	Mechanical Properties	
Vanadium	V %	0.600 max.	Tensile Strength in Mpa	690 min.
Nickel	Ni %	Balance	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 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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