Material: ASTM B 335 N10629

Standard Specification for Nickel-Molybdenum Alloy Rod

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *ASTM B 335 N10629 Nickel-Molybdenum Alloy Rod*
Application: *Intended for Valve, Pump, General Engineering, Automotive and other Industries*
Grade Belongs to the Industry: *Rod*

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.050 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.040 max.
Cobalt	Co %	2.500 max.
Sulphur	S %	0.010 max.
Chromium	Cr %	0.500 - 1.500
Iron	Fe %	1.000 - 6.000
Molybdenum	Mo %	26.000 - 30.000
Aluminium	Al %	0.100 - 0.500
Copper	Cu %	0.500 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	760 min.
Yield Strength in Mpa	350 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HRB	100 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B 333 N10629	ASTM	USA	Plate, Sheet and Strip
B 564 N10629	ASTM	USA	Forging
B 472 N10629	ASTM	USA	Bar
B 619 N10629	ASTM	USA	Pipe
B 622 N10629	ASTM	USA	Pipe and Tube
B 626 N10629	ASTM	USA	Tube
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Customer Care: +91-99090 45075 Email: info@icastllp.com