

Material - ASTM B 574 N06059 Grade 1

Standard Specification for Low-Carbon Nickel-Chromium-Molybdenum Alloy Rod

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 574 N06059 Grade 1 Low-Carbon Nickel-Chromium-Molybdenum Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	22.000 - 24.000		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	15.000 - 16.500		
Phosphorus	P %	0.015 max.		
Cobalt	Co %	0.300 max.		
Iron	Fe %	1.500 max.	Mechanical Properties	
Aluminium	Al %	0.100 - 0.400	Tensile Strength in Mpa	690 min.
Copper	Cu %	0.500 max.	Yield Strength in Mpa	310 min.
Nickel	Ni %	Balance	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N06059	ASTM	USA	Forging
B 575 N06059	ASTM	USA	Plate, Sheet and Strip
B 462 N06059	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
B 619 N06059	ASTM	USA	Pipe
B 622 N06059	ASTM	USA	Pipe and Tube
B 626 N06059	ASTM	USA	Tube
B 472 N06059	ASTM	USA	Billets and Bars

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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