

Material - ASTM B 575 N06059

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 575 N06059 Low-Carbon Nickel-Chromium-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 %	0.010 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.		
Aluminium	Al %	0.100 - 0.400		
Iron	Fe %	1.500 max.	Mechanical Properties	
Cobalt	Co %	0.300 max.	Tensile Strength in Mpa	690 min.
Copper	Cu %	0.500 max.	Yield Strength in Mpa	310 min.
Nickel	Ni %	Balance	Elongation in %	45 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 564 N06059	ASTM	USA	Forging
B 574 N06059 Grade 1	ASTM	USA	Rod
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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.