Material: ASTM B 575 N10276

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

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *ASTM B 575 N10276 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		
Carbon	C %	0.010 max.
Silicon	Si %	0.080 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	14.500 - 16.500
Sulphur	S %	0.030 max.
Molybdenum	Mo %	15.000 - 17.000
Phosphorus	P %	0.040 max.
Tungsten	W %	3.000 - 4.500
Iron	Fe %	4.000 - 7.000
Cobalt	Co %	2.500 max.
Vanadium	V %	0.350 max.
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	283 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 564 N10276	ASTM	USA	Forging
B 574 N10276	ASTM	USA	Rod
B 462 N10276	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
B 619 N10276	ASTM	USA	Pipe
B 622 N10276	ASTM	USA	Pipe and Tube
B 626 N10276	ASTM	USA	Tube
N10276	UNS	USA	Casting

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