

Material: ASTM B 581 N06975

Standard Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Rod

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 581 N06975 Nickel-Chromium-Iron-Molybdenum-Copper 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 %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	23.000 - 26.000		
Sulphur	S %	0.030 max.		
Molybdenum	Mo %	5.000 - 7.000		
Phosphorus	P %	0.030 max.		
Titanium	Ti %	0.700 - 1.500		
Copper	Cu %	0.700 - 1.200		
Nickel	Ni %	47.000 - 52.000		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	586 min.
-	-	-	Yield Strength in Mpa	221 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 582 N06975	ASTM	USA	Plate, Sheet and Strip
B 619 N06975	ASTM	USA	Pipe
B 622 N06975	ASTM	USA	Pipe and Tube
B 626 N06975	ASTM	USA	Tube
SB-581 N06975	ASME	USA	Rod
SB-582 N06975	ASME	USA	Plate, Sheet and Strip
SB-619 N06975	ASME	USA	Pipe

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