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		
Carbon	C %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

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

Customer Care: +91-99090 45075 Email: info@icastllp.com