



Material - ASME SB-581 N06975

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

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-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	<th colspan="2">Mechanical Properties</th>		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 581 N06975	ASTM	USA	Rod
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-582 N06975	ASME	USA	Plate, Sheet and Strip
SB-619 N06975	ASME	USA	Pipe

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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