Material: ASTM B 582 N06007

Standard Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet and Strip

Group: *Non-Ferrous Nickel Alloys*
Sub Group: *ASTM B 582 N06007 Nickel-Chromium-Iron-Molybdenum-Copper 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 %	0.050 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 - 2.000
Chromium	Cr %	21.000 - 23.500
Sulphur	S %	0.030 max.
Molybdenum	Mo %	5.500 - 7.500
Phosphorus	P %	0.040 max.
Cobalt	Co %	2.500 max.
Copper	Cu %	1.500 - 2.500
Tungsten	W %	1.000 max.
Nb + Ta	Nb% + Ta%	1.750 - 2.500
Iron	Fe %	18.000 - 21.000
Nickel	Ni %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	586 min.
Yield Strength in Mpa	207 min.
Elongation in %	30 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 581 N06007	ASTM	USA	Rod
SB-581 N06007	ASME	USA	Rod
B 619 N06007	ASTM	USA	Pipe
B 622 N06007	ASTM	USA	Pipe and Tube
B 626 N06007	ASTM	USA	Tube
SB-619 N06007	ASME	USA	Pipe
SB-626 N06007	ASME	USA	Tube

Disclaimer: *All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.*
Customer Care: +91-99090 45075 Email: info@icastllp.com