

Material: ASME SB-446 N06650

Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy, Rod and Bar

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SB-446 N06650 Nickel-Chromium-Molybdenum-Columbium Alloy, Rod and Bar

Application: Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry: Rod and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	19.000 - 21.000		
Sulphur	S %	0.010 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	12.000 - 16.000		
Molybdenum	Mo %	9.500 - 12.500		
Cobalt	Co %	1.000 max.	Mechanical Properties	
Aluminium	Al %	0.050 - 0.500	Tensile Strength in Mpa	800 min.
Nb + Ta	Nb% + Ta%	0.050 - 0.500	Yield Strength in Mpa	400 min.
Phosphorus	P %	0.020 max.	Elongation in %	45 min.
Tungsten	W %	0.500 - 2.500	Reduction of Area in %	-
Nitrogen	N %	0.050 - 0.200	Hardness in BHN	-
Nickel	Ni %	Balance	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 446 N06650	ASTM	USA	Rod and Bar
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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