

Material: ASTM B 443 N06219

Standard Specification for Nickel-Chromium-Molybdenum-Columbium Alloy and Nickel-Chromium-Molybdenum-Silicon Alloy Plate, Sheet, and Strip

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 443 N06219 Nickel-Chromium-Molybdenum-Columbium Alloy and Nickel-Chromium-Molybdenum-Silicon 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			Heat Treatment	
Carbon	C %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.700 - 1.100		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	18.000 - 22.000		
Sulphur	S %	0.010 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	2.000 - 4.000		
Molybdenum	Mo %	7.000 - 9.000		
Cobalt	Co %	1.000 max.		
Aluminium	Al %	0.500 max.		
			Mechanical Properties	
Titanium	Ti %	0.500 max.	Tensile Strength in Mpa	660 min.
Phosphorus	P %	0.020 max.	Yield Strength in Mpa	270 min.
Nickel	Ni %	Balance	Elongation in %	50 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 446 N06219	ASTM	USA	Rod and Bar
B 444 N06219	ASTM	USA	Pipe and Tube
B 564 N06219	ASTM	USA	Forging
B 704 N06219	ASTM	USA	Tube
B 705 N06219	ASTM	USA	Pipe
SB-443 N06219	ASME	USA	Plate, Sheet and Strip
SB-444 N06219	ASME	USA	Pipe and 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