

Material: EN 10083-3 39NiCrMo16-6

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: EN 10083-3 39NiCrMo16-6 Mild Steel Alloys Bar and Rod

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

Grade Belongs to the Industry: Bar and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.260 - 0.330	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	1.200 - 1.500		
Molybdenum	Mo %	0.300 - 0.600		
Nickel	Ni %	3.300 - 4.300		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	900 - 1050
-	-	-	Yield Strength in Mpa	880 min.
-	-	-	Elongation in %	11 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	As Per HT
-	-	-	Impact in Joule	35 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.6747	EN	European Union	Bar and Rod
30 NCD 16	AIR	France	Bar and Rod
835 M 30	BS	British	Bar and Rod
35NiCrMo16	EN	European Union	Bar and Rod
1.6773	EN	European Union	Bar and Rod
35 NCD 16	AFNOR NF	France	Bar, Wire and Rod
SFNCM 1030 R	JIS	Japan	Forging

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