

Material: PN 1.5532

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: PN 1.5532 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 %	0.360 - 0.420	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.400 max.		
Manganese	Mn %	1.150 - 1.450		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.035 max.		
Boron	B %	0.0008 - 0.0050		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 850 - 1250 Yield Strength in Mpa 700 min. Elongation in % 12 min. Reduction of Area in % 50 min. Hardness in HRC 45 max. Impact in Joule 60 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
38MnB5	EN	European Union	Bar and Rod
1.5532	EN	European Union	Bar and Rod
38 MB 5	AFNOR NF	France	Bar, Wire and Rod
39MnB5	ISO	International	Bar and Rod
1.5532	NBN	Belgium	Bar and Rod
38 MB 5	NBN	Belgium	Bar and Rod
38 MB 5	PN	Poland	Bar and Rod

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