

Material: AFNOR NF 20 MB 5

Standard Specification for Mild Steel Alloys Bar, Wire and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF 20 MB 5 Mild Steel Alloys Bar, Wire and Rod

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

Grade Belongs to the Industry: Bar, Wire and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.160 - 0.220	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.100 - 0.400		
Manganese	Mn %	1.100 - 1.400		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Boron	B %	0.0008 - 0.0050		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 510 min. Yield Strength in Mpa 500 min. Elongation in % 7 min. Reduction of Area in % - Hardness in BHN 149 - 197 Impact in Joule 70 J @ RT	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
20MnB5	EN	European Union	Bar and Rod
1.553	EN	European Union	Bar and Rod
20MnB5	ISO	International	Bar and Rod
1.553	UNI	Italy	Steel and Strip
20MnB5	UNI	Italy	Steel and Strip
1.553	BS	British	Steel and Strip
20MnB5	BS	British	Steel and Strip

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