Material: AFNOR NF P 880 - 34CrMo4

Standard Specification for Mild Steel Alloys Bar and Rod

Group: *Ferrous Mild Steel Alloys*
Sub Group: *AFNOR NF P 880 - 34CrMo4 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		
Carbon	C %	0.300 - 0.370
Silicon	Si %	0.400 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	0.900 - 1.200
Molybdenum	Mo %	0.150 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	880 - 1030
Yield Strength in Mpa	690 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in BHN	255 min.
Impact in Joule	40 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
34CrMo4	EN	European Union	Bar and Rod
1.722	EN	European Union	Bar and Rod
34CrMoS4	EN	European Union	Bar and Rod
1.7226	EN	European Union	Bar and Rod
CMo 3 Z	MSZ	Hungary	Bar and Rod
34 CrMo 4 E	ISO	International	Bar and Rod
34 CrMo 4 E	JIS	Japan	Bar and Rod

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