Material: EN 10083-3 34CrNiMo6

Standard Specification for Mild Steel Alloys Bar and Rod

Group: *Ferrous Mild Steel Alloys*
Sub Group: *EN 10083-3 34CrNiMo6 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 - 0.380
Silicon	Si %	0.400 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.025 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	1.300 - 1.700
Molybdenum	Mo %	0.150 - 0.300
Nickel	Ni %	1.300 - 1.700
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	800 - 950
Yield Strength in Mpa	600 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in BHN	As Per HT
Impact in Joule	45 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.6582	EN	European Union	Bar and Rod
P 1000 - 34CrNiMo6	AFNOR NF	France	Bar and Rod
P 880 - 34CrNiMo6	AFNOR NF	France	Bar and Rod
1.6579	UNE	Spain	Bar and Rod
G35CrNiMo6-6	UNE	Spain	Bar and Rod
1.6579	SS	Sweden	Bar and Rod
G35CrNiMo6-6	SS	Sweden	Bar and Rod

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