

Material: UNE G35CrNiMo6-6

Standard Specification for Mild Steel Alloys Bar and Rod

Group: Ferrous Mild Steel Alloys

Sub Group: UNE G35CrNiMo6-6 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 %	0.320 - 0.380	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.600 - 1.000		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	1.400 - 1.700		
Molybdenum	Mo %	0.150 - 0.350		
Nickel	Ni %	1.400 - 1.700		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 750 - 1050 Yield Strength in Mpa 500 min. Elongation in % 10 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 30 J @ RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
34CrNiMo6	EN	European Union	Bar and Rod
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
1.6579	SS	Sweden	Bar and Rod
G35CrNiMo6-6	SS	Sweden	Bar and Rod

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