Material - EN 10083-3 1.7034

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - EN 10083-3 1.7034 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 %	0.340 - 0.410
Silicon	Si %	0.400 max.
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.035 max.
Chromium	Cr %	0.900 - 1.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment

As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	750 - 900
Yield Strength in Mpa	510 min.
Elongation in %	14 - 40
Reduction of Area in %	-
Hardness in BHN	As Per HT
Impact in Joule	35 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
37Cr4	EN	European Union	Bar and Rod
37CrS4	EN	European Union	Bar and Rod
1.7038	EN	European Union	Bar and Rod
Cr 2 Z	MSZ	Hungary	Bar and Rod
34 Cr 4 E	ISO	International	Bar and Rod
34 Cr 4 E	JIS	Japan	Bar and Rod
F.1201	UNE	Spain	Bar and Rod

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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