

Material - EN 10083-3 42CrMo4

Standard Specification for Mild Steel Alloys Bar and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - EN 10083-3 42CrMo4 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 C % Carbon 0.380 - 0.450 Silicon Si % 0.400 max. Mn % 0.600 - 0.900 Manganese As Raw or Annealing or Normalizing or Hardening and Phosphorus Ρ% 0.025 max. Tempering Sulphur S % 0.035 max. Chromium 0.900 - 1.200 Cr % Molybdenum Mo % 0.150 - 0.300 Fe % Balance Iron **Mechanical Properties** _ _ _ Tensile Strength in Mpa 750 - 900 _ _ Yield Strength in Mpa 500 min. _ Elongation in % 14 - 55 _ _ _ **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
1.7225	EN	European Union	Bar and Rod
42CrMoS4	EN	European Union	Bar and Rod
1.7227	EN	European Union	Bar and Rod
P 1000 - 42CrMo4	AFNOR NF	France	Bar and Rod
P 880 - 42CrMo4	AFNOR NF	France	Bar and Rod
CMo 4 Z	MSZ	Hungary	Bar and Rod
F.1252	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS