



Material - MSZ NCMo 4

Standard Specification for Mild Steel Alloys Bar, Wire and Rod

Group - Ferrous Mild Steel Alloys

Sub Group - MSZ NCMo 4 Mild Steel Alloys Bar, Wire and Rod

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Bar, Wire and Rod

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|--|--|
| Carbon | C % | 0.360 - 0.430 | As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Silicon | Si % | 0.400 max. | | |
| Manganese | Mn % | 0.500 - 0.800 | | |
| Phosphorus | P % | 0.035 max. | | |
| Sulphur | S % | 0.035 max. | | |
| Chromium | Cr % | 0.600 - 0.900 | | |
| Molybdenum | Mo % | 0.150 - 0.300 | | |
| Nickel | Ni % | 0.700 - 1.000 | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 750 - 1200 Yield Strength in Mpa 540 min. Elongation in % 10 min. Reduction of Area in % - Hardness in BHN 229 max. Impact in Joule 30 J @ RT | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 39NiCrMo3 | EN | European Union | Bar and Rod |
| 1.651 | EN | European Union | Bar and Rod |
| 1.651 | BDS | Bulgaria | Bar and Rod |
| 39 NiCrMo 3 | CSN | Czech Republic | Bar and Rod |
| 1.651 | DIN | Germany | Bar and Rod |
| 39 NiCrMo 3 | DIN | Germany | Bar and Rod |
| 1.651 | SFS | Finland | 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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