



Material - AFNOR NF 25 CrMo 4

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - AFNOR NF 25 CrMo 4 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel and Flat

| Chemical Composition | | | Heat Treatment | |
|-------------------------|------|---------------|-----------------------|--|
| Carbon | C % | 0.220 - 0.290 | Quenching + Tempering | |
| Silicon | Si % | 0.400 max. | | |
| Manganese | Mn % | 0.600 - 0.900 | | |
| Phosphorus | P % | 0.035 max. | | |
| Sulphur | S % | 0.030 max. | | |
| Chromium | Cr % | 0.900 - 1.200 | | |
| Molybdenum | Mo % | 0.150 - 0.300 | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| Mechanical Properties | | | | |
| Tensile Strength in Mpa | | 540 - 1400 | | |
| Yield Strength in Mpa | | 345 - 440 | | |
| Elongation in % | | 4 min. | | |
| Reduction of Area in % | | 50 min. | | |
| Hardness in HB | | 197 - 331 | | |
| Impact in Joule | | 22 J @ RT | | |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 10216-2 | BS | British | Steel and Tube |
| 1.7218 | EN | European Union | Steel and Tube |
| 1.7218 | DIN | Germany | Steel and Tube |
| 25 CrMo 4 | BS | British | Steel |
| 25 CrMo 4 | DIN | Germany | Steel |
| 25 CrMo 4 | ISO | International | Steel and Tube |
| 25 CrMo 4 | UNI | Italy | Steel and Tube |

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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