

Material: SAE J403 UNS G15220

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE J403 UNS G15220 Carbon Steel Compositions For Forging To Hot-Rolled Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

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

Grade Belongs to the Industry: Bars, Wire Rods, Plates, Strip, Sheets and Tubing

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---|--|
| Carbon | C % | 0.180 - 0.240 | As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Manganese | Mn % | 1.100 - 1.140 | | |
| Phosphorus | P % | 0.030 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1522 | SAE | USA | Bars, Wire Rod and Tubing |
| 1522 | AISI | USA | Steel and Bar |
| A 29 1522 | ASTM | USA | Steel and Bar |
| A 510 1522 | ASTM | USA | Wire Rods, Round Wire and Steel |
| A 576 15L22 | ASTM | USA | Steel and Bar |
| - | - | - | - |
| - | - | - | - |

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com