

Material: SAE J403 | SAE J1397 UNS G10600 - Hot Rolled

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 G10600 - Hot Rolled Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, 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 % | 0.500 - 0.650 | As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Manganese | Mn % | 0.600 - 0.900 | | |
| Phosphorus | P % | 0.030 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 680 min. Yield Strength in Mpa 370 min. Elongation in % 12 min. Reduction of Area in % 30 min. Hardness in BHN 201 max. Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1060 | SAE | USA | Steel |
| 1060 | AISI | USA | Steel and Tubing |
| A 1040 1060 | ASTM | USA | Steel |
| A 29 1060 | ASTM | USA | Steel and Bar |
| A 510 1060 | ASTM | USA | Wire Rod, Round Rod and Steel |
| A 513 Grade 1060 | ASTM | USA | Steel and Tubing |
| A 576 10L60 | ASTM | USA | Bar |

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