

Material: AISI 1035

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: AISI 1035 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Tubing

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

Grade Belongs to the Industry: Steel and Tubing

| Heat Treatment | |
|---|-----------|
| As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Mechanical Properties | |
| Tensile Strength in Mpa | 415 - 862 |
| Yield Strength in Mpa | 230 min. |
| Elongation in % | 5 min. |
| Reduction of Area in % | 22 min. |
| Hardness in HB | 143 max. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| G10350 | UNS | USA | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1035 | SAE | USA | Steel and Tubing |
| A 1040 1035 | ASTM | USA | Steel |
| A 108 Grade 1035 | ASTM | USA | Steel and Bar |
| A 29 1035 | ASTM | USA | Steel and Bar |
| A 311 1035 Class A | ASTM | USA | Steel and Bar |
| A 510 1035 | ASTM | USA | Wire Rod and Round Wire |

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