

Material: SAE 1095

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Strip and Steel

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1095 Carbon Steel Compositions For Forging To Hot-Rolled Strip and Steel

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

Grade Belongs to the Industry: Strip and Steel

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---|--|
| Carbon | C % | 0.900 - 1.030 | As Raw or Annealing or Normalizing or Hardening and Tempering | |
| Manganese | Mn % | 0.150 - 0.500 | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Silicon | Si % | 0.150 - 0.350 | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 680 - 1379 Yield Strength in Mpa 460 min. Elongation in % 10 min. Reduction of Area in % 25 - 40 Hardness in HB 302 max. Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|---------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| G10950 | UNS | USA | Bars, Wire Rods, Plates, Strip, Sheets and Tubing |
| 1095 | AISI | USA | Steel and Bar |
| A 1040 1095 | ASTM | USA | Steel |
| A 108 Grade 1095 | ASTM | USA | Steel and Bar |
| A 29 1095 | ASTM | USA | Steel and Bar |
| A 510 1095 | ASTM | USA | Wire Rods, Round Wire and Steel |
| A 576 10L95 | ASTM | USA | Steel and Bar |

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