|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Properties of Steel** | | | | | | | | |
| **UNS Number** | **Processing Method** | **Yield Strength kpsi** | **Tensile Strength kpsi** | **Yield Strength MPa** | **Tensile Strength MPa** | **Elongation in 2 in.  %** | **Reduction in Area  %** | **Brinell Hardness H\_b** |
| G10100 | Hot Rolled | 26 | 47 | 179 | 324 | 28 | 50 | 95 |
| G10100 | Cold Drawn | 44 | 53 | 303 | 365 | 20 | 40 | 105 |
| G10150 | Hot Rolled | 27 | 50 | 186 | 345 | 28 | 50 | 101 |
| G10150 | Cold Drawn | 47 | 56 | 324 | 386 | 18 | 40 | 111 |
| G10180 | Hot Rolled | 32 | 58 | 220 | 400 | 25 | 50 | 116 |
| G10180 | Cold Drawn | 54 | 64 | 372 | 441 | 15 | 40 | 126 |
| G10350 | Hot Rolled | 39 | 72 | 269 | 496 | 18 | 40 | 143 |
| G10350 | Cold Drawn | 67 | 80 | 462 | 551 | 12 | 35 | 163 |
| G10350 | Drawn 800 F | 81 | 110 | 558 | 758 | 18 | 51 | 220 |
| G10350 | Drawn 1000 F | 72 | 103 | 496 | 710 | 23 | 59 | 201 |
| G10350 | Drawn 1200 F | 62 | 91 | 427 | 627 | 27 | 66 | 180 |
| G10400 | Hot Rolled | 42 | 76 | 289 | 524 | 18 | 40 | 149 |
| G10400 | Cold Drawn | 71 | 85 | 489 | 586 | 12 | 35 | 170 |
| G10400 | Drawn 1000 F | 86 | 113 | 593 | 779 | 23 | 62 | 235 |
| G10500 | Hot Rolled | 49 | 90 | 338 | 620 | 15 | 35 | 179 |
| G10500 | Cold Drawn | 84 | 100 | 579 | 689 | 10 | 30 | 197 |
| G10500 | Drawn 600 F | 180 | 220 | 1240 | 1516 | 10 | 30 | 450 |
| G10500 | Drawn 900 F | 130 | 155 | 896 | 1068 | 18 | 55 | 310 |
| G10500 | Drawn 1200 F | 80 | 105 | 551 | 723 | 28 | 65 | 210 |
| G15216 | Hot Rolled, Annealed | 81 | 100 | 558 | 689 | 25 | 57 | 192 |
| G41300 | Hot Rolled, Annealed | 60 | 90 | 413 | 620 | 30 | 45 | 183 |
| G41300 | Cold Drawn, Annealed | 87 | 98 | 599 | 675 | 21 | 52 | 201 |
| G41300 | Drawn 1000 F | 133 | 146 | 916 | 1006 | 17 | 60 | 293 |
| G41400 | Hot Rolled, Annealed | 63 | 90 | 434 | 620 | 27 | 58 | 187 |
| G41400 | Cold Drawn, Annealed | 90 | 102 | 620 | 703 | 18 | 50 | 223 |
| G41400 | Drawn 1000 F | 131 | 153 | 903 | 1054 | 16 | 45 | 302 |
| G43400 | Hot Rolled, Annealed | 69 | 101 | 475 | 696 | 21 | 45 | 207 |
| G43400 | Cold Drawn, Annealed | 99 | 111 | 682 | 765 | 16 | 42 | 223 |
| G43400 | Drawn 600 F | 234 | 260 | 1612 | 1791 | 12 | 43 | 498 |
| G43400 | Drawn 1000 F | 162 | 182 | 1116 | 1254 | 15 | 40 | 363 |
| G46200 | Case Hardened | 89 | 120 | 613 | 827 | 22 | 55 | 248 |
| G46200 | Drawn 800 F | 94 | 130 | 648 | 896 | 23 | 66 | 256 |
| G61500 | Hot Rolled, Annealed | 58 | 91 | 400 | 627 | 22 | 53 | 183 |
| G61500 | Drawn 1000 F | 132 | 155 | 909 | 1068 | 15 | 44 | 302 |
| G87400 | Hot Rolled, Annealed | 64 | 95 | 441 | 655 | 25 | 55 | 190 |
| G87400 | Cold Drawn, Annealed | 96 | 107 | 661 | 737 | 17 | 48 | 223 |
| G87400 | Drawn 1000 F | 129 | 152 | 889 | 1047 | 15 | 44 | 302 |
| G92550 | Hot Rolled, Annealed | 78 | 115 | 537 | 792 | 22 | 45 | 223 |
| G92550 | Drawn 1000 F | 160 | 180 | 1102 | 1240 | 15 | 32 | 352 |