

硬さ換算表

Hardnes Convert Table

| HV | HBW | HRA | HRB | HRC | HS | TS | HV | HBW | HRA | HRB | HRC | HS | TS |
|-----|-------|------|---------|------|----|------|-----|-----|------|---------|--------|----|------|
| 940 | — | 85.6 | — | 68.0 | 97 | — | 340 | 322 | 67.6 | (108.0) | 34.4 | 47 | 1070 |
| 920 | — | 85.3 | — | 67.5 | 96 | — | 330 | 313 | 67.0 | — | 33.3 | — | 1035 |
| 900 | — | 85.0 | — | 67.0 | 95 | — | 320 | 303 | 66.4 | (107.0) | 32.2 | 45 | 1005 |
| 880 | (767) | 84.7 | — | 66.4 | 93 | — | 310 | 294 | 65.8 | — | 31.0 | — | 980 |
| 860 | (757) | 84.4 | — | 65.9 | 92 | — | 300 | 284 | 65.2 | (105.5) | 29.8 | 42 | 950 |
| 840 | (745) | 84.1 | — | 65.3 | 91 | — | 295 | 280 | 64.8 | — | 29.2 | — | 935 |
| 820 | (733) | 83.8 | — | 64.7 | 90 | — | 290 | 275 | 64.5 | (104.5) | 28.5 | 41 | 915 |
| 800 | (722) | 83.4 | — | 64.0 | 88 | — | 285 | 270 | 64.2 | — | 27.8 | — | 905 |
| 780 | (710) | 83.0 | — | 63.3 | 87 | — | 280 | 265 | 63.8 | (103.5) | 27.1 | 40 | 890 |
| 760 | (698) | 82.6 | — | 62.5 | 86 | — | 275 | 261 | 63.5 | — | 26.4 | — | 875 |
| 740 | (684) | 82.2 | — | 61.8 | 84 | — | 270 | 256 | 63.1 | (102.0) | 25.6 | 38 | 855 |
| 720 | (670) | 81.8 | — | 61.0 | 83 | — | 265 | 252 | 62.7 | — | 24.8 | — | 840 |
| 700 | (656) | 81.3 | — | 60.1 | 81 | — | 260 | 247 | 62.4 | (101.0) | 24.0 | 37 | 825 |
| 690 | (647) | 81.1 | — | 59.7 | — | — | 255 | 243 | 62.0 | — | 23.1 | — | 805 |
| 680 | (638) | 80.8 | — | 59.2 | 80 | — | 250 | 238 | 61.6 | 99.5 | 22.2 | 36 | 795 |
| 670 | 630 | 80.6 | — | 58.8 | — | — | 245 | 233 | 61.2 | — | 21.3 | — | 780 |
| 660 | 620 | 80.3 | — | 58.3 | 79 | — | 240 | 228 | 60.7 | 98.1 | 20.3 | 34 | 765 |
| 650 | 611 | 80.0 | — | 57.8 | — | — | 230 | 219 | — | 96.7 | (18.0) | 33 | 730 |
| 640 | 601 | 79.8 | — | 57.3 | 77 | — | 220 | 209 | — | 95.0 | (15.7) | 32 | 695 |
| 630 | 591 | 79.5 | — | 56.8 | — | — | 210 | 200 | — | 93.4 | (13.4) | 30 | 670 |
| 620 | 582 | 79.2 | — | 56.3 | 75 | — | 200 | 190 | — | 91.5 | (11.0) | 29 | 635 |
| 610 | 573 | 78.9 | — | 55.7 | — | — | 190 | 181 | — | 89.5 | (8.5) | 28 | 605 |
| 600 | 564 | 78.6 | — | 55.2 | 74 | — | 180 | 171 | — | 87.1 | (6.0) | 26 | 580 |
| 590 | 554 | 78.4 | — | 54.7 | — | 2055 | 170 | 162 | — | 85.0 | (3.0) | 25 | 545 |
| 580 | 545 | 78.0 | — | 54.1 | 72 | 2020 | 160 | 152 | — | 81.7 | (0.0) | 24 | 515 |
| 570 | 535 | 77.8 | — | 53.6 | — | 1985 | 150 | 143 | — | 78.7 | — | 22 | 490 |
| 560 | 525 | 77.4 | — | 53.0 | 71 | 1950 | 140 | 133 | — | 75.0 | — | 21 | 455 |
| 550 | 517 | 77.0 | — | 52.3 | — | 1905 | 130 | 124 | — | 71.2 | — | 20 | 425 |
| 540 | 507 | 76.7 | — | 51.7 | 69 | 1860 | 120 | 114 | — | 66.7 | — | — | 390 |
| 530 | 497 | 76.4 | — | 51.1 | — | 1825 | 110 | 105 | — | 62.3 | — | — | — |
| 520 | 488 | 76.1 | — | 50.5 | 67 | 1795 | 100 | 95 | — | 56.2 | — | — | — |
| 510 | 479 | 75.7 | — | 49.8 | — | 1750 | 95 | 90 | — | 52.0 | — | — | — |
| 500 | 471 | 75.3 | — | 49.1 | 66 | 1705 | 90 | 86 | — | 48.0 | — | — | — |
| 490 | 460 | 74.9 | — | 48.4 | — | 1660 | 85 | 81 | — | 41.0 | — | — | — |
| 480 | 452 | 74.5 | — | 47.7 | 64 | 1620 | | | | | | | |
| 470 | 442 | 74.1 | — | 46.9 | — | 1570 | | | | | | | |
| 460 | 433 | 73.6 | — | 46.1 | 62 | 1530 | | | | | | | |
| 450 | 425 | 73.3 | — | 45.3 | — | 1495 | | | | | | | |
| 440 | 415 | 72.8 | — | 44.5 | 59 | 1460 | | | | | | | |
| 430 | 405 | 72.3 | — | 43.6 | — | 1410 | | | | | | | |
| 420 | 397 | 71.8 | — | 42.7 | 57 | 1370 | | | | | | | |
| 410 | 388 | 71.4 | — | 41.8 | — | 1330 | | | | | | | |
| 400 | 379 | 70.8 | — | 40.8 | 55 | 1290 | | | | | | | |
| 390 | 369 | 70.3 | — | 39.8 | — | 1240 | | | | | | | |
| 380 | 360 | 69.8 | (110.0) | 38.8 | 52 | 1205 | | | | | | | |
| 370 | 350 | 69.2 | — | 37.7 | — | 1170 | | | | | | | |
| 360 | 341 | 68.7 | (109.0) | 36.6 | 50 | 1130 | | | | | | | |
| 350 | 331 | 68.1 | — | 35.5 | — | 1095 | | | | | | | |

HV : ビッカース硬さ
 HBW : ブリネル硬さ
 HRA : ロックウェル硬さAスケール
 HRB : ロックウェル硬さBスケール
 HRC : ロックウェル硬さCスケール
 HS : シェア硬さ
 TS : 引張強さの近似値(MPa)

* 1MPa=1N/mm²

* 表中()内の数値は

あまり用いられない範囲のものであり
 参考として示したものである

* JISハンドブックから引用抜粋