

Vickers Hardness HV	Approx. Tensile Strength σ_{UTS} (MPa / N/mm ²)
100 HV	300 – 350
125 HV	375 – 410
150 HV	450 – 490
175 HV	530 – 570
200 HV	600 – 650
225 HV	680 – 710
250 HV	750 – 790
275 HV	830 – 870
300 HV	965
325 HV	1050 – 1080
350 HV	1120 – 1150
375 HV	1200 – 1230
400 HV	1290
425 HV	1360 – 1390

Vickers Hardness HV	Approx. Tensile Strength σ_{UTS} (MPa / N/mm ²)
450 HV	1450 – 1480
475 HV	1530 – 1560
500 HV	1650
525 HV	1720 – 1750
550 HV	1800 – 1850
575 HV	1900 – 1950
600 HV	2000+
625 HV	2050 – 2100
650 HV	2150 – 2200
675 HV	2200 – 2250
700 HV	2300+

Note: Tensile strength values are approximate conversions and are provided for reference only. Actual values may vary depending on material grade, heat treatment, and processing.

