

| | | | | |
|-------------|---------------|-----------------|---------------|------------------------------|
| H-K6 | 511605 | $n_d = 1.51112$ | $v_d = 60.46$ | $n_F - n_C = 0.008454$ |
| | | $n_e = 1.51314$ | $v_e = 60.21$ | $n_{F'} - n_{C'} = 0.008523$ |

| Refractive Indices | | | Relative Partial Dispersions | | | | Internal Transmittance | | |
|---|--------------------------------------|---------|---------------------------------------|--------|-------------|--------|--------------------------|-------------|--------------|
| | λ (nm) | | $P_{d,c}$ | 0.3040 | $P'_{d,c'}$ | 0.2534 | λ (nm) | τ 5 mm | τ 10 mm |
| n_t | 1014.0 | | $P_{e,d}$ | 0.2389 | $P'_{e,d}$ | 0.2370 | 2400 | 0.88 | 0.77 |
| n_r | 706.5 | 1.50707 | $P_{g,F}$ | 0.5427 | $P'_{g,F'}$ | 0.4820 | 2200 | 0.908 | 0.825 |
| n_c | 656.3 | 1.50855 | | | | | 2000 | 0.956 | 0.913 |
| $n_{c'}$ | 643.8 | 1.50896 | Chemical Properties | | | | 1800 | 0.980 | 0.961 |
| n_{He-Ne} | 632.8 | 1.50934 | | | Grade | | 1600 | 0.995 | 0.991 |
| n_D | 589.3 | 1.51105 | RC(S) | | 3 | | 1400 | 0.997 | 0.995 |
| n_d | 587.6 | 1.51112 | RA(S) | | 1 | | 1200 | 0.999 | 0.998 |
| n_e | 546.1 | 1.51314 | D _W | | 2 | | 1060 | 0.999 | 0.998 |
| n_F | 486.1 | 1.51700 | D _A | | 1 | | 1000 | 0.999 | 0.998 |
| $n_{F'}$ | 480.0 | 1.51748 | | | | | 950 | 0.998 | 0.996 |
| n_g | 435.8 | 1.52159 | Thermal Properties | | | | 900 | 0.998 | 0.996 |
| n_h | 404.7 | 1.52540 | T _g (°C) | | 530 | | 850 | 0.998 | 0.996 |
| n_i | 365.0 | 1.53188 | T _s (°C) | | 619 | | 800 | 0.998 | 0.996 |
| | | | T ₁₀ ^{14.5} (°C) | | 473 | | 700 | 0.997 | 0.994 |
| | | | T ₁₀ ¹³ (°C) | | 522 | | 650 | 0.996 | 0.993 |
| | | | T ₁₀ ^{7.6} (°C) | | | | 600 | 0.997 | 0.995 |
| | | | $\alpha_{20/120^\circ C}(10^{-7}/K)$ | | 88 | | 550 | 0.998 | 0.997 |
| | | | $\alpha_{100/300^\circ C}(10^{-7}/K)$ | | 99 | | 500 | 0.997 | 0.994 |
| | | | λ (W/m · K) | | | | 480 | 0.996 | 0.993 |
| | | | | | | | 460 | 0.996 | 0.992 |
| | | | Mechanical Properties | | | | 440 | 0.995 | 0.991 |
| | | | H _K (10 ⁷ Pa) | | 464 | | 420 | 0.996 | 0.993 |
| | | | F _A | | | | 400 | 0.997 | 0.995 |
| | | | E (10 ⁷ Pa) | | 6724 | | 390 | 0.997 | 0.994 |
| | | | G (10 ⁷ Pa) | | 2758 | | 380 | 0.994 | 0.989 |
| | | | μ | | 0.219 | | 370 | 0.995 | 0.991 |
| | | | B (10 ⁻¹² /Pa) | | | | 360 | 0.994 | 0.988 |
| | | | | | | | 350 | 0.990 | 0.980 |
| | | | Other Properties | | | | 340 | 0.979 | 0.958 |
| | | | ρ (g/cm ³) | | 2.53 | | 330 | 0.952 | 0.907 |
| | | | | | | | 320 | 0.89 | 0.79 |
| | | | | | | | 310 | 0.74 | 0.55 |
| | | | | | | | 300 | 0.48 | 0.23 |
| | | | | | | | 290 | 0.18 | 0.03 |
| | | | | | | | 280 | 0.06 | |
| | | | | | | | | | |
| | | | | | | | Coloration Code | | |
| | | | | | | | λ_{80}/λ_5 | 33/29 | |
| | | | | | | | | | |
| Constants of Dispersion Formula | | | | | | | | | |
| A ₀ | 2.2509531 | | | | | | | | |
| A ₁ | $-7.9769429 \times 10^{-3}$ | | | | | | | | |
| A ₂ | 1.2172917×10^{-2} | | | | | | | | |
| A ₃ | $-9.9997916 \times 10^{-5}$ | | | | | | | | |
| A ₄ | 4.1776164×10^{-5} | | | | | | | | |
| A ₅ | $-2.0912623 \times 10^{-6}$ | | | | | | | | |
| Deviation of Relative Partial Dispersions ΔP from the "Normal Line" | | | | | | | | | |
| $\Delta P_{F,e}$ | 0.0000 | | | | | | | | |
| $\Delta P_{g,F}$ | 0.0000 | | | | | | | | |
| | | | | | | | | | |
| Temperature Coefficients of Refractive Index | | | | | | | | | |
| Rang of Temperature | dn/dt relative(10 ⁻⁶ /°C) | | | | | | | | |
| | t | C' | d | e | F' | g | | | |
| -40~-20 | | | | | | | | | |
| -20~0 | | | | | | | | | |
| 0~20 | | | | | | | | | |
| 20~40 | | | | | | | | | |
| 40~60 | | | | | | | | | |
| 60~80 | | | | | | | | | |