

| | | | | |
|----------------|---------------|---------------|---------------|-----------------------------|
| H-LaK6A | 694534 | $n_d=1.69350$ | $\nu_d=53.38$ | $n_F - n_C =0.012992$ |
| | | $n_e=1.69660$ | $\nu_e=53.16$ | $n_{F'} - n_{C'} =0.013105$ |

| Refractive Indices | | | Relative Partial Dispersions | | | | Internal Transmittance | | |
|---|--------------------------------------|---------|---------------------------------------|--------|-------------|--------|--------------------------|-------------|--------------|
| | λ (nm) | | $P_{d,c}$ | 0.3041 | $P'_{d,c'}$ | 0.2536 | λ (nm) | τ 5 mm | τ 10 mm |
| n_t | 1014.0 | 1.67883 | $P_{e,d}$ | 0.2384 | $P'_{e,d}$ | 0.2363 | 2400 | 0.77 | 0.59 |
| n_r | 706.5 | 1.68732 | $P_{g,F}$ | 0.5484 | $P'_{g,F'}$ | 0.4872 | 2200 | 0.923 | 0.853 |
| n_c | 656.3 | 1.68955 | | | | | 2000 | 0.976 | 0.953 |
| $n_{c'}$ | 643.8 | 1.69018 | Chemical Properties | | | | 1800 | 0.992 | 0.984 |
| n_{He-Ne} | 632.8 | 1.69077 | | | Grade | | 1600 | 0.999 | 0.998 |
| n_D | 589.3 | 1.69339 | RC(S) | | 1 | | 1400 | 0.999 | 0.998 |
| n_d | 587.6 | 1.69350 | RA(S) | | 3 | | 1200 | 0.999 | 0.998 |
| n_e | 546.1 | 1.69660 | D _W | | 2 | | 1060 | 0.999 | 0.998 |
| n_F | 486.1 | 1.70256 | D _A | | 6 | | 1000 | 0.999 | 0.998 |
| $n_{F'}$ | 480.0 | 1.70330 | | | | | 950 | 0.999 | 0.998 |
| n_g | 435.8 | 1.70969 | Thermal Properties | | | | 900 | 0.999 | 0.998 |
| n_h | 404.7 | 1.71563 | T _g (°C) | | 638 | | 850 | 0.999 | 0.998 |
| n_i | 365.0 | 1.72583 | T _s (°C) | | 673 | | 800 | 0.999 | 0.998 |
| | | | T ₁₀ ^{14.5} (°C) | | 600 | | 700 | 0.999 | 0.998 |
| | | | T ₁₀ ¹³ (°C) | | 626 | | 650 | 0.999 | 0.998 |
| | | | T ₁₀ ^{7.6} (°C) | | | | 600 | 0.999 | 0.998 |
| | | | $\alpha_{20/120^\circ C}(10^{-7}/K)$ | | 60 | | 550 | 0.998 | 0.997 |
| | | | $\alpha_{100/300^\circ C}(10^{-7}/K)$ | | 73 | | 500 | 0.997 | 0.994 |
| | | | λ (W/m · K) | | | | 480 | 0.996 | 0.993 |
| | | | | | | | 460 | 0.995 | 0.990 |
| Constants of Dispersion Formula | | | Mechanical Properties | | | | 440 | 0.993 | 0.987 |
| A ₀ | 2.8148405 | | H _K (10 ⁷ Pa) | | 683 | | 420 | 0.991 | 0.983 |
| A ₁ | -1.4782362 × 10 ⁻² | | F _A | | | | 400 | 0.988 | 0.976 |
| A ₂ | 1.9020975 × 10 ⁻² | | E (10 ⁷ Pa) | | 10770 | | 390 | 0.983 | 0.967 |
| A ₃ | 3.3662821 × 10 ⁻⁴ | | G (10 ⁷ Pa) | | 4206 | | 380 | 0.975 | 0.951 |
| A ₄ | 1.3568774 × 10 ⁻⁵ | | μ | | 0.280 | | 370 | 0.960 | 0.922 |
| A ₅ | -5.8552560 × 10 ⁻⁷ | | B (10 ⁻¹² /Pa) | | | | 360 | 0.929 | 0.863 |
| | | | | | | | 350 | 0.87 | 0.76 |
| Deviation of Relative Partial Dispersions ΔP from the "Normal Line" | | | Other Properties | | | | 340 | 0.73 | 0.54 |
| $\Delta P_{F,e}$ | -0.0030 | | ρ (g/cm ³) | | 3.59 | | 330 | 0.47 | 0.22 |
| $\Delta P_{g,F}$ | -0.0065 | | | | | | 320 | 0.14 | 0.02 |
| | | | | | | | 310 | | |
| | | | | | | | 300 | | |
| | | | | | | | 290 | | |
| | | | | | | | 280 | | |
| | | | | | | | | | |
| | | | | | | | Coloration Code | | |
| | | | | | | | λ_{80}/λ_5 | 37/32 | |
| | | | | | | | | | |
| Temperature Coefficients of Refractive Index | | | | | | | | | |
| Rang of Temperature | dn/dt relative(10 ⁻⁶ /°C) | | | | | | | | |
| | t | C' | d | e | F' | g | | | |
| -40~-20 | 3.3 | 3.4 | 4.1 | 4.6 | 4.9 | 5.0 | | | |
| -20~0 | 3.4 | 3.6 | 3.9 | 4.4 | 4.9 | 5.1 | | | |
| 0~20 | 3.5 | 3.9 | 4.1 | 4.3 | 5.1 | 5.1 | | | |
| 20~40 | 3.4 | 3.8 | 4.5 | 4.5 | 5.1 | 5.2 | | | |
| 40~60 | 3.7 | 4.1 | 4.4 | 4.7 | 4.7 | 5.2 | | | |
| 60~80 | 4.2 | 4.7 | 5.0 | 5.2 | 5.6 | 5.8 | | | |