

| H-LaK53A | | | 755523 | | | | n _d = 1.755000 | | ν _d = 52.32 | | n _F - n _C = 0.014430 | |
|--|----------------|----------|--|---------|--------------------|---------|-------------------------------------|----------------|------------------------|-------------------------------------|--|-------|
| | | | | | | | n _e = 1.758439 | | ν _e = 52.08 | | n _{F'} - n _{C'} = 0.014562 | |
| 折射率 Refractive Index | | | 相对部分色散 Relative Partial Dispersions | | | | 内部透射率 Internal Transmittance T | | | | | |
| | λ (nm) | | P _{s,t} | 0.2761 | P' _{s,t} | 0.2736 | λ (nm) | τ (5mm) | τ (10mm) | | | |
| n _{2325.42} | 2325.42 | 1.714087 | P _{C,s} | 0.5329 | P' _{C',s} | 0.5758 | 2400 | 0.810 | 0.650 | | | |
| n _{1970.09} | 1970.09 | 1.721691 | P _{d,C} | 0.3030 | P' _{d,C'} | 0.2526 | 2200 | 0.947 | 0.898 | | | |
| n _{1529.58} | 1529.58 | 1.729702 | P _{e,d} | 0.2383 | P' _{e,d} | 0.2362 | 2000 | 0.981 | 0.963 | | | |
| n _{1060.0} | 1060.0 | 1.737999 | P _{g,F} | 0.5479 | P' _{g,F'} | 0.4861 | 1800 | 0.995 | 0.990 | | | |
| n _t | 1013.98 | 1.738953 | P _{i,h} | 0.7827 | P' _{i,h} | 0.7756 | 1600 | 0.999 | 0.998 | | | |
| n _s | 852.11 | 1.742937 | 异常色散 Abnormal Dispersions | | | | 1400 | 0.999 | 0.998 | | | |
| n _r | 706.52 | 1.748145 | | | | | ΔP _{C,t} | 0.0162 | ΔP _{C,s} | 0.0075 | 1200 | 0.999 |
| n _C | 656.27 | 1.750627 | ΔP _{F,e} | -0.0025 | ΔP _{g,F} | -0.0087 | 1060 | 0.999 | 0.998 | | | |
| n _{C'} | 643.85 | 1.751322 | 着色度 Color Code | | | | 1000 | 0.999 | 0.998 | | | |
| n _{He-Ne} | 632.8 | 1.751972 | | | | | λ ₈₀ /λ ₅ | 370/280 | | | 950 | 0.999 |
| n _D | 589.29 | 1.754872 | λ ₇₀ /λ ₅ | | | | 900 | 0.999 | 0.998 | | | |
| n _d | 587.56 | 1.755000 | 热性质 Thermal Properties | | | | 850 | 0.999 | 0.998 | | | |
| n _e | 546.07 | 1.758439 | | | | | T _g (°C) | 685 | | | 800 | 0.998 |
| n _F | 486.13 | 1.765057 | T _s (°C) | 710 | | | 700 | 0.998 | 0.997 | | | |
| n _{F'} | 479.99 | 1.765884 | T ₁₀ ^{14.5} (°C) | 645 | | | 650 | 0.998 | 0.996 | | | |
| n _g | 435.83 | 1.772963 | T ₁₀ ¹³ (°C) | 671 | | | 600 | 0.997 | 0.995 | | | |
| n _h | 404.66 | 1.779554 | T ₁₀ ^{7.6} (°C) | 61 | | | 550 | 0.997 | 0.995 | | | |
| n _i | 365.01 | 1.790848 | α _{-30/70} (°C)(10 ⁻⁷ /K) | 72 | | | 500 | 0.996 | 0.993 | | | |
| n _{313.18} | 313.18 | 1.814059 | α _{100/300} (°C)(10 ⁻⁷ /K) | | | | 480 | 0.995 | 0.991 | | | |
| n _{302.15} | 302.15 | 1.821004 | λ[W/(m·K)] | | | | 460 | 0.993 | 0.987 | | | |
| 色散公式常数 Constants of Dispersion Formula | | | 化学性质 Chemical Properties | | | | 440 | 0.992 | 0.984 | | | |
| | | | | | | | K ₁ | 1.21007394E+00 | | Grade | | 420 |
| L ₁ | 5.21679919E-03 | | D _w | 1 | | | 400 | 0.981 | 0.962 | | | |
| K ₂ | 1.19495815E+00 | | D _A | 6 | | | 390 | 0.973 | 0.946 | | | |
| L ₂ | 8.35557501E+01 | | CR | | | | 380 | 0.959 | 0.919 | | | |
| K ₃ | 8.06533246E-01 | | RC(S) | 1 | | | 370 | 0.935 | 0.874 | | | |
| L ₃ | 2.00803500E-02 | | RA(S) | 3 | | | 360 | 0.890 | 0.800 | | | |
| 折射率温度系数常数 Constants of dn/dt | | | 机械性质 Mechanical Properties | | | | 350 | 0.840 | 0.700 | | | |
| | | | | | | | D ₀ | 1.86E-06 | | H _k (10 ⁷ Pa) | 729 | |
| D ₁ | 1.36E-08 | | 折射率温度系数 Temperature Coefficients of Refractive Index | | | | 330 | 0.650 | 0.420 | | | |
| D ₂ | -2.33E-11 | | | | | | D _w | 1 | | | 320 | 0.530 |
| E ₀ | 5.16E-07 | | D _A | 6 | | | 310 | 0.360 | 0.130 | | | |
| E ₁ | 5.98E-10 | | CR | | | | 300 | 0.300 | 0.090 | | | |
| λ _{TK} (μm) | 0.185 | | RC(S) | 1 | | | 290 | 0.200 | 0.040 | | | |
| 温度范围 (°C) | | | dn/dt relative(10 ⁻⁶ /°C) | | | | 280 | 0.100 | 0.010 | | | |
| | | | | | | | Range of Temperature | | t | C' | d | e |
| -60~-40 | | | 2.8 | 3.2 | 3.4 | 3.4 | 3.8 | 4.3 | | | | |
| -40~-20 | | | 2.8 | 3.3 | 3.5 | 3.6 | 3.9 | 4.6 | | | | |
| -20~0 | | | 2.8 | 3.5 | 3.6 | 3.8 | 4.0 | 4.6 | | | | |
| 0~20 | | | 3.0 | 3.4 | 3.7 | 3.9 | 4.2 | 4.7 | | | | |
| 20~40 | | | 3.0 | 3.6 | 3.8 | 4.0 | 4.3 | 4.9 | | | | |
| 40~60 | | | 3.2 | 3.8 | 3.9 | 4.1 | 4.7 | 5.3 | | | | |
| 60~80 | | | 3.3 | 3.8 | 3.9 | 4.3 | 4.8 | 5.3 | | | | |
| 80~100 | | | 3.4 | 4.1 | 4.2 | 4.5 | 5.1 | 5.4 | | | | |
| 100~120 | | | 3.4 | 4.2 | 4.3 | 4.5 | 5.2 | 5.4 | | | | |
| 120~140 | | | 3.6 | 4.3 | 4.7 | 4.8 | 5.3 | 5.6 | | | | |
| 其他性质 Other Properties | | | 备注 Remarks | | | | H _k (10 ⁷ Pa) | | 729 | | | |
| | | | | | | | F _A | | 114 | | E (10 ⁷ Pa) | |
| 备注 Remarks | | | | | | | G (10 ⁷ Pa) | | 4142 | | | |
| | | | | | | | μ | | 0.287 | | B (10 ⁻¹² /Pa) | |
| | | | | | | | ρ (g/cm ³) | | 4.39 | | | |
| | | | | | | | | | | | | |