

| K4A | | | 508611 | | | | n _d = 1.50802 | | v _d = 61.05 | | n _F - n _C = 0.008321 | |
|---|----------------|---|--|----------|--------------------|-----------|---------------------------------------|------------------------------|-------------------------------------|-----|--|--|
| | | | | | | | n _e = 1.51000 | | v _e = 60.87 | | n _{F'} - n _{C'} = 0.008378 | |
| 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} | 0.3053 | P' _{s,t} | 0.3032 | λ (nm) | τ (5mm) | τ (10mm) | | | |
| n _{2325.42} | 2325.42 | | P _{C,s} | 0.5612 | P' _{C',s} | 0.6063 | 2400 | 0.870 | 0.760 | | | |
| n _{1970.09} | 1970.09 | | P _{d,C} | 0.3077 | P' _{d,C'} | 0.2566 | 2200 | 0.934 | 0.872 | | | |
| n _{1529.58} | 1529.58 | | P _{e,d} | 0.2380 | P' _{e,d} | 0.2363 | 2000 | 0.985 | 0.970 | | | |
| n _{1060.0} | 1060.0 | | P _{g,F} | 0.5372 | P' _{g,F'} | 0.4774 | 1800 | 0.997 | 0.994 | | | |
| n _t | 1013.98 | 1.49825 | P _{i,h} | | P' _{i,h} | | 1600 | 0.997 | 0.995 | | | |
| n _s | 852.11 | 1.50079 | 异常色散 Abnormal Dispersions | | | | 1400 | 0.989 | 0.978 | | | |
| n _r | 706.52 | 1.50398 | ΔP _{C,t} | 0.0325 | ΔP _{C,s} | 0.0151 | 1200 | 0.999 | 0.998 | | | |
| n _C | 656.27 | 1.50546 | ΔP _{F,e} | -0.0021 | ΔP _{g,F} | -0.0045 | 1060 | 0.998 | 0.997 | | | |
| n _{C'} | 643.85 | 1.50587 | 着色度 Color Code | | | | 1000 | 0.998 | 0.997 | | | |
| n _{He-Ne} | 632.8 | 1.50625 | λ ₈₀ /λ ₅ | | | | 950 | 0.998 | 0.997 | | | |
| n _D | 589.29 | 1.50795 | λ ₇₀ /λ ₅ | | | | 900 | 0.998 | 0.997 | | | |
| n _d | 587.56 | 1.50802 | 355/320 | | | | 850 | 0.998 | 0.997 | | | |
| n _e | 546.07 | 1.51000 | | | | | 800 | 0.998 | 0.996 | | | |
| n _F | 486.13 | 1.51378 | | | | | 700 | 0.998 | 0.996 | | | |
| n _{F'} | 479.99 | 1.51425 | | | | | 650 | 0.998 | 0.996 | | | |
| n _g | 435.83 | 1.51825 | | | | | 600 | 0.997 | 0.995 | | | |
| n _h | 404.66 | 1.52195 | | | | | 550 | 0.997 | 0.995 | | | |
| n _i | 365.01 | 1.52827 | | | | | 500 | 0.997 | 0.993 | | | |
| n _{313.18} | 313.18 | | 热性质 Thermal Properties | | | | 480 | 0.996 | 0.992 | | | |
| n _{302.15} | 302.15 | | T _g (°C) | 552 | | | 460 | 0.996 | 0.991 | | | |
| | | | T _s (°C) | 624 | | | 440 | 0.995 | 0.989 | | | |
| | | | T ₁₀ ^{14.5} (°C) | 497 | | | 420 | 0.994 | 0.987 | | | |
| | | | T ₁₀ ¹³ (°C) | 541 | | | 400 | 0.992 | 0.984 | | | |
| | | | T ₁₀ ^{7.6} (°C) | 733 | | | 390 | 0.988 | 0.977 | | | |
| 色散公式常数 Constants of Dispersion Formula | | | α _{30/70°C} (10 ⁻⁷ /K) | 47 | | | 380 | 0.980 | 0.961 | | | |
| A ₀ | 2.2418749E+00 | | α _{100/300°C} (10 ⁻⁷ /K) | 52 | | | 370 | 0.970 | 0.940 | | | |
| A ₁ | -8.9193215E-03 | | λ[W/(m·K)] | | | | 360 | 0.940 | 0.890 | | | |
| A ₂ | 1.2625174E-02 | | | | | | 350 | 0.880 | 0.780 | | | |
| A ₃ | -2.9859874E-04 | | 化学性质 Chemical Properties | | | | 340 | 0.760 | 0.570 | | | |
| A ₄ | 5.9564884E-05 | | Grade | | | | 330 | 0.500 | 0.250 | | | |
| A ₅ | -2.5863323E-06 | | | | | | 320 | 0.170 | 0.030 | | | |
| 折射率温度系数常数 Constants of dn/dt | | | D _w | 1 | | | 310 | | | | | |
| D ₀ | 7.37E-06 | | D _A | 2 | | | 300 | | | | | |
| D ₁ | 2.20E-08 | | CR | 1 | | | 290 | | | | | |
| D ₂ | -6.81E-12 | | RC(S) | 1 | | | 280 | | | | | |
| E ₀ | 4.56E-07 | | RA(S) | 3 | | | | | | | | |
| E ₁ | 4.32E-10 | | | | | | | | | | | |
| λ _{TK} (μm) | 0.199 | | | | | | | | | | | |
| 折射率温度系数 Temperature Coefficients of Refractive Index | | | 机械性质 Mechanical Properties | | | | | | | | | |
| 温度范围 (°C) | | dn/dt relative(10⁻⁶/°C) | | | | | | | H _k (10 ⁷ Pa) | 524 | | |
| Range of Temperature | | t | C' | d | e | F' | g | F _A | 65 | | | |
| -60~-40 | | | | | | | | E (10 ⁷ Pa) | 6927 | | | |
| -40~-20 | | 4.4 | 4.6 | 4.9 | 5.2 | 5.3 | 5.5 | G (10 ⁷ Pa) | 2843 | | | |
| -20~0 | | 4.4 | 4.7 | 4.9 | 5.2 | 5.3 | 5.5 | μ | 0.218 | | | |
| 0~20 | | 4.6 | 4.7 | 4.9 | 5.2 | 5.5 | 5.8 | B (10 ⁻¹² /Pa) | 3.55 | | | |
| 20~40 | | 4.8 | 5.1 | 5.3 | 5.5 | 5.7 | 6.1 | 其他性质 Other Properties | | | | |
| 40~60 | | 4.9 | 5.3 | 5.6 | 5.7 | 5.9 | 6.3 | ρ (g/cm ³) | 2.43 | | | |
| 60~80 | | 5.0 | 5.5 | 5.6 | 5.9 | 6.2 | 6.4 | 备注 Remarks | | | | |
| 80~100 | | | | | | | | | | | | |
| 100~120 | | | | | | | | | | | | |
| 120~140 | | | | | | | | | | | | |