

| H-BaK3 | | | 547628 | | | | n _d = 1.546780 | | ν _d = 62.78 | | n _F - n _C = 0.008710 | |
|--|----------------|----------|--|---------|--------------------|---------|---------------------------------|----------------|------------------------|-------------------------------------|--|-------|
| | | | | | | | n _e = 1.548858 | | ν _e = 62.55 | | n _{F'} - n _{C'} = 0.008775 | |
| 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} | 0.3010 | P' _{s,t} | 0.2988 | λ (nm) | τ (5mm) | τ (10mm) | | | |
| n _{2325.42} | 2325.42 | 1.518257 | P _{C,s} | 0.5542 | P' _{C',s} | 0.5987 | 2400 | 0.899 | 0.809 | | | |
| n _{1970.09} | 1970.09 | 1.524056 | P _{d,C} | 0.3067 | P' _{d,C'} | 0.2557 | 2200 | 0.934 | 0.873 | | | |
| n _{1529.58} | 1529.58 | 1.530086 | P _{e,d} | 0.2386 | P' _{e,d} | 0.2368 | 2000 | 0.980 | 0.961 | | | |
| n _{1060.0} | 1060.0 | 1.536013 | P _{g,F} | 0.5374 | P' _{g,F'} | 0.4774 | 1800 | 0.991 | 0.981 | | | |
| n _t | 1013.98 | 1.536660 | P _{i,h} | 0.7532 | P' _{i,h} | 0.7476 | 1600 | 0.996 | 0.992 | | | |
| n _s | 852.11 | 1.539282 | 异常色散 Abnormal Dispersions | | | | 1400 | 0.989 | 0.978 | | | |
| n _r | 706.52 | 1.542575 | | | | | ΔP _{C,t} | 0.0132 | ΔP _{C,s} | 0.0040 | 1200 | 0.999 |
| n _C | 656.27 | 1.544109 | ΔP _{F,e} | -0.0007 | ΔP _{g,F} | -0.0014 | 1060 | 0.999 | 0.998 | | | |
| n _{C'} | 643.85 | 1.544536 | 着色度 Color Code | | | | 1000 | 0.999 | 0.998 | | | |
| n _{He-Ne} | 632.8 | 1.544935 | | | | | λ ₈₀ /λ ₅ | 325/275 | | 950 | 0.999 | 0.998 |
| n _D | 589.29 | 1.546702 | λ ₇₀ /λ ₅ | | | 900 | 0.999 | 0.998 | | | | |
| n _d | 587.56 | 1.546780 | 热性质 Thermal Properties | | | | 850 | 0.999 | 0.998 | | | |
| n _e | 546.07 | 1.548858 | | | | | T _g (°C) | 590 | | 800 | 0.999 | 0.998 |
| n _F | 486.13 | 1.552819 | T _s (°C) | 656 | | 700 | 0.999 | 0.997 | | | | |
| n _{F'} | 479.99 | 1.553311 | T ₁₀ ^{14.5} (°C) | 531 | | 650 | 0.998 | 0.997 | | | | |
| n _g | 435.83 | 1.557500 | T ₁₀ ¹³ (°C) | 572 | | 600 | 0.998 | 0.997 | | | | |
| n _h | 404.66 | 1.561368 | T ₁₀ ^{7.6} (°C) | 731 | | 550 | 0.998 | 0.997 | | | | |
| n _i | 365.01 | 1.567928 | α _{30/70°C} (10 ⁻⁷ /K) | 62 | | 500 | 0.998 | 0.997 | | | | |
| n _{313.18} | 313.18 | 1.581159 | α _{100/300°C} (10 ⁻⁷ /K) | 80 | | 480 | 0.998 | 0.996 | | | | |
| n _{302.15} | 302.15 | 1.585053 | λ[W/(m·K)] | | | 460 | 0.998 | 0.996 | | | | |
| 色散公式常数 Constants of Dispersion Formula | | | 化学性质 Chemical Properties | | | | 440 | 0.997 | 0.994 | | | |
| | | | | | | | K ₁ | 6.35128580E-01 | | Grade | 420 | 0.997 |
| L ₁ | 2.55407022E-03 | | D _w | 1 | | 400 | 0.997 | 0.994 | | | | |
| K ₂ | 9.20839763E-01 | | D _A | 2 | | 390 | 0.996 | 0.992 | | | | |
| L ₂ | 9.29065095E+01 | | CR | 1 | | 380 | 0.995 | 0.990 | | | | |
| K ₃ | 7.24654326E-01 | | RC(S) | 1 | | 370 | 0.994 | 0.988 | | | | |
| L ₃ | 1.43580146E-02 | | RA(S) | 3 | | 360 | 0.991 | 0.983 | | | | |
| 折射率温度系数常数 Constants of dn/dt | | | 机械性质 Mechanical Properties | | | | 350 | 0.985 | 0.970 | | | |
| | | | | | | | D ₀ | 2.04E-06 | | H _k (10 ⁷ Pa) | 530 | |
| D ₁ | 1.91E-08 | | | | | | 330 | 0.951 | 0.905 | | | |
| D ₂ | -3.23E-11 | | | | | | 320 | 0.909 | 0.827 | | | |
| E ₀ | 4.56E-07 | | | | | | 310 | 0.823 | 0.678 | | | |
| E ₁ | 2.05E-10 | | | | | | 300 | 0.675 | 0.456 | | | |
| λ _{TK} (μm) | 0.176 | | | | | | 290 | 0.457 | 0.209 | | | |
| 折射率温度系数 Temperature Coefficients of Refractive Index | | | | | | | 280 | | | | | |
| 温度范围 (°C) | | | dn/dt relative(10 ⁻⁶ /°C) | | | | | | | | | |
| Range of Temperature | | | t | C' | d | e | F' | g | | | | |
| -60~-40 | | | 2.3 | 2.6 | 2.7 | 2.8 | 3.0 | 3.1 | | | | |
| -40~-20 | | | 2.3 | 2.6 | 2.8 | 2.9 | 3.2 | 3.3 | | | | |
| -20~0 | | | 2.3 | 2.5 | 2.8 | 3.0 | 3.2 | 3.5 | | | | |
| 0~20 | | | 2.3 | 2.5 | 2.8 | 3.0 | 3.2 | 3.7 | | | | |
| 20~40 | | | 2.5 | 2.9 | 3.0 | 3.2 | 3.7 | 3.8 | | | | |
| 40~60 | | | 2.9 | 3.2 | 3.3 | 3.6 | 3.8 | 3.9 | | | | |
| 60~80 | | | 3.0 | 3.3 | 3.5 | 3.6 | 3.8 | 4.0 | | | | |
| 80~100 | | | 3.0 | 3.3 | 3.6 | 3.7 | 3.8 | 4.3 | | | | |
| 100~120 | | | 3.0 | 3.5 | 3.6 | 3.7 | 4.2 | 4.6 | | | | |
| 120~140 | | | 3.2 | 3.6 | 3.7 | 3.8 | 4.3 | 4.7 | | | | |
| | | | | | | | 其他性质 Other Properties | | | | | |
| | | | | | | | ρ (g/cm ³) | 2.84 | | | | |
| | | | | | | | 备注 Remarks | | | | | |