| D-ZPK5 | 593683 | $n_d$ = 1.592800 | $\upsilon_d$ = 68.34 | $n_F - n_C$ = 0.008674 |
|---|---|---|---|---|
| | | $n_e$ = 1.594869 | $\upsilon_e$ = 67.96 | $n_{F'} - n_{C'}$ = 0.008753 |

**折射率 Refractive Index***

| | λ（nm） | |
|---|---|---|
| $n_{2325.42}$ | 2325.42 | 1.570758 |
| $n_{1970.09}$ | 1970.09 | 1.574388 |
| $n_{1529.58}$ | 1529.58 | 1.578355 |
| $n_{1060.0}$ | 1060.0 | 1.582772 |
| $n_t$ | 1013.98 | 1.583308 |
| $n_s$ | 852.11 | 1.585601 |
| $n_r$ | 706.52 | 1.588685 |
| $n_C$ | 656.27 | 1.590171 |
| $n_{C'}$ | 643.85 | 1.590588 |
| $n_{He-Ne}$ | 632.8 | 1.590979 |
| $n_D$ | 589.29 | 1.592723 |
| $n_d$ | 587.56 | 1.592800 |
| $n_e$ | 546.07 | 1.594869 |
| $n_F$ | 486.13 | 1.598845 |
| $n_{F'}$ | 479.99 | 1.599341 |
| $n_g$ | 435.83 | 1.603570 |
| $n_h$ | 404.66 | 1.607484 |
| $n_i$ | 365.01 | 1.614130 |
| $n_{313.18}$ | 313.18 | 1.627542 |
| $n_{302.15}$ | 302.15 | 1.631490 |

**色散公式常数 Constants of Dispersion Formula**

| | |
|---|---|
| $K_1$ | 2.59562934E-01 |
| $L_1$ | 1.96231869E-02 |
| $K_2$ | 1.24131969E+00 |
| $L_2$ | 6.19669959E-03 |
| $K_3$ | 7.87237390E-01 |
| $L_3$ | 1.23753444E+02 |

**折射率温度系数常数 Constants of dn/dt**

| | |
|---|---|
| $D_0$ | -2.01E-05 |
| $D_1$ | 4.05E-09 |
| $D_2$ | -1.52E-11 |
| $E_0$ | 4.00E-07 |
| $E_1$ | 1.43E-10 |
| $\lambda_{TK}$(μm) | 0.192 |

**相对部分色散 Relative Partial Dispersions**

| | | | |
|---|---|---|---|
| $P_{s,t}$ | 0.2644 | $P'_{s,t}$ | 0.2620 |
| $P_{C,s}$ | 0.5269 | $P'_{C',s}$ | 0.5697 |
| $P_{d,C}$ | 0.3031 | $P'_{d,C'}$ | 0.2527 |
| $P_{e,d}$ | 0.2385 | $P'_{e,d}$ | 0.2364 |
| $P_{g,F}$ | 0.5447 | $P'_{g,F'}$ | 0.4831 |
| $P_{i,h}$ | 0.7662 | $P'_{i,h}$ | 0.7593 |

**异常色散 Abnormal Dispersions**

| | | | |
|---|---|---|---|
| $\Delta P_{C,t}$ | -0.0771 | $\Delta P_{C,s}$ | -0.0365 |
| $\Delta P_{F,e}$ | 0.0060 | $\Delta P_{g,F}$ | 0.0154 |

**着色度 Color Code**

| | |
|---|---|
| $\lambda_{80}/\lambda_5$ | 350/- |
| $\lambda_{70}/\lambda_5$ | |

**热性质 Thermal Properties**

| | |
|---|---|
| $T_g$ (℃) | 565 |
| $T_s$ (℃) | 585 |
| $T_{10}^{14.5}$ (℃) | 520 |
| $T_{10}^{13}$ (℃) | 543 |
| $T_{10}^{7.6}$(℃) | 630 |
| $\alpha_{-30/70℃}$($10^{-7}$/K) | 123 |
| $\alpha_{100/300℃}$($10^{-7}$/K) | 143 |
| λ[W/(m·K)] | |

**化学性质 Chemical Properties**

| | Grade |
|---|---|
| $D_W$ | 1 |
| $D_A$ | 2 |
| CR | 1 |
| RC(S) | 1 |
| RA(S) | 1 |

**内部透过率 Internal Transmittance τ**

| λ（nm） | τ (5mm) | τ (10mm) |
|---|---|---|
| 2400 | 0.992 | 0.983 |
| 2200 | 0.995 | 0.991 |
| 2000 | 0.997 | 0.995 |
| 1800 | 0.998 | 0.997 |
| 1600 | 0.999 | 0.998 |
| 1400 | 0.999 | 0.998 |
| 1200 | 0.999 | 0.998 |
| 1060 | 0.999 | 0.998 |
| 1000 | 0.999 | 0.998 |
| 950 | 0.999 | 0.998 |
| 900 | 0.999 | 0.998 |
| 850 | 0.999 | 0.998 |
| 800 | 0.998 | 0.997 |
| 700 | 0.998 | 0.997 |
| 650 | 0.998 | 0.997 |
| 600 | 0.998 | 0.997 |
| 550 | 0.998 | 0.997 |
| 500 | 0.998 | 0.996 |
| 480 | 0.997 | 0.995 |
| 460 | 0.997 | 0.994 |
| 440 | 0.996 | 0.993 |
| 420 | 0.996 | 0.993 |
| 400 | 0.995 | 0.991 |
| 390 | 0.994 | 0.989 |
| 380 | 0.991 | 0.982 |
| 370 | 0.983 | 0.966 |
| 360 | 0.964 | 0.930 |
| 350 | 0.932 | 0.868 |
| 340 | 0.872 | 0.761 |
| 330 | 0.780 | 0.609 |
| 320 | 0.656 | 0.430 |
| 310 | 0.504 | 0.254 |
| 300 | 0.387 | 0.150 |
| 290 | 0.285 | 0.081 |
| 280 | 0.207 | 0.043 |

**折射率温度系数 Temperature Coefficients of Refractive Index**

| 温度范围（℃） Range of Temperature | dn/dt relative($10^{-6}$/℃) | | | | | |
|---|---|---|---|---|---|---|
| | t | C′ | d | e | F′ | g |
| -60～-40 | -7.0 | -6.9 | -6.8 | -6.6 | -6.5 | -6.2 |
| -40～-20 | -7.4 | -7.2 | -7.0 | -7.0 | -6.7 | -6.6 |
| -20～0 | -7.8 | -7.5 | -7.5 | -7.4 | -7.2 | -6.9 |
| 0～20 | -7.8 | -7.6 | -7.6 | -7.4 | -7.3 | -7.0 |
| 20～40 | -8.0 | -7.7 | -7.7 | -7.5 | -7.3 | -7.2 |
| 40～60 | -8.0 | -7.8 | -7.7 | -7.6 | -7.3 | -7.2 |
| 60～80 | -8.1 | -7.9 | -7.7 | -7.7 | -7.4 | -7.2 |
| 80～100 | -8.2 | -7.9 | -7.8 | -7.8 | -7.5 | -7.3 |
| 100～120 | -8.3 | -8.1 | -8.0 | -7.9 | -7.7 | -7.4 |
| 120～140 | -8.5 | -8.3 | -8.1 | -8.1 | -7.8 | -7.6 |

**机械性质 Mechanical Properties**

| | |
|---|---|
| $H_K$ ($10^7$Pa) | 372 |
| $F_A$ | 435 |
| E ($10^7$Pa) | 7385 |
| G ($10^7$Pa) | 2840 |
| μ | 0.300 |
| B ($10^{-12}$/Pa) | 0.34 |

**其他性质 Other Properties**

| | |
|---|---|
| ρ (g/cm$^3$) | 4.29 |

**备注 Remarks**

*:退火速率 anneal rate 4℃/h

CDGM