| D-FK95-25 | 437944 | $n_d$ = 1.437440 | $\upsilon_d$ = 94.44 | $n_F - n_C$ = 0.004632 |
|---|---|---|---|---|
| | | $n_e$ = 1.438546 | $\upsilon_e$ = 93.99 | $n_{F'} - n_{C'}$ = 0.004666 |

| 折射率 Refractive Index** | | |
|---|---|---|
| | λ（nm） | |
| $n_{2325.42}$ | 2325.42 | 1.423503 |
| $n_{1970.09}$ | 1970.09 | 1.426112 |
| $n_{1529.58}$ | 1529.58 | 1.428905 |
| $n_{1060.0}$ | 1060.0 | 1.431792 |
| $n_t$ | 1013.98 | 1.432119 |
| $n_s$ | 852.11 | 1.433470 |
| $n_r$ | 706.52 | 1.435203 |
| $n_C$ | 656.27 | 1.436018 |
| $n_{C'}$ | 643.85 | 1.436245 |
| $n_{He-Ne}$ | 632.8 | 1.436457 |
| $n_D$ | 589.29 | 1.437399 |
| $n_d$ | 587.56 | 1.437440 |
| $n_e$ | 546.07 | 1.438546 |
| $n_F$ | 486.13 | 1.440650 |
| $n_{F'}$ | 479.99 | 1.440911 |
| $n_g$ | 435.83 | 1.443121 |
| $n_h$ | 404.66 | 1.445149 |
| $n_i$ | 365.01 | 1.448556 |
| $n_{313.18}$ | 313.18 | 1.455310 |
| $n_{302.15}$ | 302.15 | 1.457268 |

| 色散公式常数 Constants of Dispersion Formula | |
|---|---|
| $K_1$ | 9.89211963E-01 |
| $L_1$ | 5.06590700E-03 |
| $K_2$ | 6.01412620E-02 |
| $L_2$ | 1.97053860E-02 |
| $K_3$ | 6.85377886E-01 |
| $L_3$ | 1.58935083E+02 |

| 折射率温度系数常数 Constants of dn/dt | |
|---|---|
| $D_0$ | -2.24E-05 |
| $D_1$ | -5.60E-09 |
| $D_2$ | -9.96E-12 |
| $E_0$ | 3.32E-07 |
| $E_1$ | 4.01E-12 |
| $\lambda_{TK}$(μm) | 0.182 |

| 相对部分色散 Relative Partial Dispersions | | | |
|---|---|---|---|
| $P_{s,t}$ | 0.2917 | $P'_{s,t}$ | 0.2895 |
| $P_{C,s}$ | 0.5501 | $P'_{C',s}$ | 0.5947 |
| $P_{d,C}$ | 0.3070 | $P'_{d,C'}$ | 0.2561 |
| $P_{e,d}$ | 0.2388 | $P'_{e,d}$ | 0.2370 |
| $P_{g,F}$ | 0.5335 | $P'_{g,F'}$ | 0.4736 |
| $P_{i,h}$ | 0.7355 | $P'_{i,h}$ | 0.7302 |

| 异常色散 Abnormal Dispersions | | | |
|---|---|---|---|
| $\Delta P_{C,t}$ | -0.1495 | $\Delta P_{C,s}$ | -0.0750 |
| $\Delta P_{F,e}$ | 0.0159 | $\Delta P_{g,F}$ | 0.0486 |

| 着色度 Color Code | |
|---|---|
| $\lambda_{80}/\lambda_5$ | 310/- |
| $\lambda_{70}/\lambda_5$ | |

| 热性质 Thermal Properties | |
|---|---|
| $T_g$ (℃) | 409 |
| $T_s$ (℃) | 446 |
| $T_{10}^{14.5}$ (℃) | 380 |
| $T_{10}^{13}$ (℃) | 403 |
| $T_{10}^{7.6}$(℃) | 482 |
| $\alpha_{-30/70℃}$($10^{-7}$/K) | 143 |
| $\alpha_{100/300℃}$($10^{-7}$/K) | 169 |
| λ[W/(m·K)] | |

| 化学性质 Chemical Properties | |
|---|---|
| | Grade |
| $D_W$ | 1 |
| $D_A$ | 2 |
| CR | 1 |
| RC(S) | 1 |
| RA(S) | 2 |

| 内部透过率 Internal Transmittance τ | | |
|---|---|---|
| λ（nm） | τ (5mm) | τ (10mm) |
| 2400 | 0.999 | 0.998 |
| 2200 | 0.999 | 0.999 |
| 2000 | 0.999 | 0.999 |
| 1800 | 0.999 | 0.999 |
| 1600 | 0.999 | 0.999 |
| 1400 | 0.999 | 0.999 |
| 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 | 0.999 | 0.998 |
| 700 | 0.999 | 0.998 |
| 650 | 0.999 | 0.998 |
| 600 | 0.999 | 0.998 |
| 550 | 0.999 | 0.998 |
| 500 | 0.999 | 0.998 |
| 480 | 0.998 | 0.997 |
| 460 | 0.998 | 0.997 |
| 440 | 0.998 | 0.996 |
| 420 | 0.998 | 0.996 |
| 400 | 0.998 | 0.996 |
| 390 | 0.998 | 0.996 |
| 380 | 0.997 | 0.995 |
| 370 | 0.997 | 0.994 |
| 360 | 0.994 | 0.988 |
| 350 | 0.991 | 0.983 |
| 340 | 0.980 | 0.961 |
| 330 | 0.962 | 0.926 |
| 320 | 0.925 | 0.856 |
| 310 | 0.855 | 0.731 |
| 300 | 0.752 | 0.566 |
| 290 | 0.620 | 0.384 |
| 280 | 0.488 | 0.238 |

| 机械性质 Mechanical Properties | |
|---|---|
| $H_K$ ($10^7$Pa) | 348 |
| $F_A$ | 355 |
| E ($10^7$Pa) | 7195 |
| G ($10^7$Pa) | 2764 |
| μ | 0.302 |
| B ($10^{-12}$/Pa) | 0.62 |

| 其他性质 Other Properties | |
|---|---|
| ρ (g/cm$^3$) | 3.52 |

**备注 Remarks**

**:退火速率 anneal rate 25℃/h

| 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 | -5.5 | -5.4 | -5.4 | -5.4 | -5.2 | -5.1 |
| -40～-20 | -6.0 | -5.8 | -5.7 | -5.7 | -5.5 | -5.4 |
| -20～0 | -6.4 | -6.1 | -6.1 | -6.0 | -6.0 | -5.9 |
| 0～20 | -6.8 | -6.6 | -6.5 | -6.4 | -6.3 | -6.1 |
| 20～40 | -6.9 | -6.7 | -6.7 | -6.5 | -6.5 | -6.4 |
| 40～60 | -7.1 | -7.0 | -7.0 | -6.9 | -6.8 | -6.6 |
| 60～80 | -7.2 | -7.3 | -7.2 | -7.1 | -6.8 | -6.8 |
| 80～100 | -7.6 | -7.5 | -7.4 | -7.3 | -7.3 | -7.2 |
| 100～120 | -7.9 | -7.8 | -7.6 | -7.6 | -7.4 | -7.3 |
| 120～140 | -8.0 | -7.8 | -7.8 | -7.7 | -7.5 | -7.3 |

CDGM