| H-ZLaF92 | 003283 | $n_d$ = 2.003300 | $\upsilon_d$ = 28.32 | $n_F - n_C$ = 0.035432 |
|---|---|---|---|---|
| | | $n_e$ = 2.011667 | $\upsilon_e$ = 28.10 | $n_{F'} - n_{C'}$ = 0.036002 |

**折射率 Refractive Index**

| | λ（nm） | |
|---|---|---|
| $n_{2325.42}$ | 2325.42 | 1.938998 |
| $n_{1970.09}$ | 1970.09 | 1.946522 |
| $n_{1529.58}$ | 1529.58 | 1.955378 |
| $n_{1060.0}$ | 1060.0 | 1.967261 |
| $n_t$ | 1013.98 | 1.968913 |
| $n_s$ | 852.11 | 1.976440 |
| $n_r$ | 706.52 | 1.987465 |
| $n_C$ | 656.27 | 1.993055 |
| $n_{C'}$ | 643.85 | 1.994652 |
| $n_{He-Ne}$ | 632.8 | 1.996155 |
| $n_D$ | 589.29 | 2.002993 |
| $n_d$ | 587.56 | 2.003300 |
| $n_e$ | 546.07 | 2.011667 |
| $n_F$ | 486.13 | 2.028487 |
| $n_{F'}$ | 479.99 | 2.030654 |
| $n_g$ | 435.83 | 2.049860 |
| $n_h$ | 404.66 | 2.068887 |
| $n_i$ | 365.01 | 2.104669 |
| $n_{313.18}$ | 313.18 | |
| $n_{302.15}$ | 302.15 | |

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

| | |
|---|---|
| $K_1$ | 1.86762237E+00 |
| $L_1$ | 1.23078620E+02 |
| $K_2$ | 3.75569196E-01 |
| $L_2$ | 5.96643730E-02 |
| $K_3$ | 2.45933103E+00 |
| $L_3$ | 1.41481580E-02 |

**折射率温度系数常数 Constants of dn/dt**

| | |
|---|---|
| $D_0$ | -5.53E-07 |
| $D_1$ | 1.56E-08 |
| $D_2$ | -5.25E-11 |
| $E_0$ | 1.00E-06 |
| $E_1$ | 1.17E-09 |
| $\lambda_{TK}$(μm) | 0.275 |

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

| | | | |
|---|---|---|---|
| $P_{s,t}$ | 0.2124 | $P'_{s,t}$ | 0.2091 |
| $P_{C,s}$ | 0.4689 | $P'_{C',s}$ | 0.5059 |
| $P_{d,C}$ | 0.2891 | $P'_{d,C'}$ | 0.2402 |
| $P_{e,d}$ | 0.2361 | $P'_{e,d}$ | 0.2324 |
| $P_{g,F}$ | 0.6032 | $P'_{g,F'}$ | 0.5335 |
| $P_{i,h}$ | 1.0099 | $P'_{i,h}$ | 0.9939 |

**异常色散 Abnormal Dispersions**

| | | | |
|---|---|---|---|
| $\Delta P_{C,t}$ | 0.0017 | $\Delta P_{C,s}$ | 0.0003 |
| $\Delta P_{F,e}$ | 0.0006 | $\Delta P_{g,F}$ | 0.0057 |

**着色度 Color Code**

| | |
|---|---|
| $\lambda_{80}/\lambda_5$ | |
| $\lambda_{70}/\lambda_5$ | 445/370 |

**热性质 Thermal Properties**

| | |
|---|---|
| $T_g$ (℃) | 703 |
| $T_s$ (℃) | 747 |
| $T_{10}^{14.5}$ (℃) | 658 |
| $T_{10}^{13}$ (℃) | 693 |
| $T_{10}^{7.6}$(℃) | 800 |
| $\alpha_{-30/70℃}$($10^{-7}$/K) | 69 |
| $\alpha_{100/300℃}$($10^{-7}$/K) | 87 |
| λ[W/(m·K)] | |

**化学性质 Chemical Properties**

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

**内部透过率 Internal Transmittance τ**

| λ（nm） | τ (5mm) | τ (10mm) |
|---|---|---|
| 2400 | 0.932 | 0.869 |
| 2200 | 0.979 | 0.958 |
| 2000 | 0.991 | 0.981 |
| 1800 | 0.996 | 0.993 |
| 1600 | 0.998 | 0.997 |
| 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 | 0.999 | 0.998 |
| 700 | 0.999 | 0.997 |
| 650 | 0.998 | 0.996 |
| 600 | 0.994 | 0.988 |
| 550 | 0.990 | 0.981 |
| 500 | 0.976 | 0.953 |
| 480 | 0.965 | 0.932 |
| 460 | 0.951 | 0.904 |
| 440 | 0.927 | 0.860 |
| 420 | 0.882 | 0.778 |
| 400 | 0.788 | 0.621 |
| 390 | 0.701 | 0.491 |
| 380 | 0.553 | 0.306 |
| 370 | 0.316 | 0.100 |
| 360 | 0.084 | 0.007 |
| 350 | | |
| 340 | | |
| 330 | | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |

**机械性质 Mechanical Properties**

| | |
|---|---|
| $H_K$ ($10^7$Pa) | 697 |
| $F_A$ | 96 |
| E ($10^7$Pa) | 13318 |
| G ($10^7$Pa) | 5106 |
| μ | 0.304 |
| B ($10^{-12}$/Pa) | 0.96 |

**其他性质 Other Properties**

| | |
|---|---|
| ρ (g/cm$^3$) | 5.02 |

**备注 Remarks**

**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 | 1.4 | 2.6 | 3.2 | 3.7 | 5.0 | 6.6 |
| -40～-20 | 1.4 | 2.7 | 3.4 | 3.9 | 5.2 | 7.0 |
| -20～0 | 1.8 | 3.2 | 3.7 | 4.1 | 5.6 | 7.2 |
| 0～20 | 2.0 | 3.5 | 4.0 | 4.6 | 6.1 | 8.0 |
| 20～40 | 2.0 | 3.9 | 4.4 | 5.1 | 7.1 | 9.0 |
| 40～60 | 2.5 | 4.1 | 4.8 | 5.4 | 7.2 | 9.1 |
| 60～80 | 2.7 | 4.2 | 4.9 | 5.5 | 7.3 | 9.3 |
| 80～100 | 2.9 | 4.2 | 5.0 | 5.6 | 7.5 | 9.6 |
| 100～120 | 3.0 | 4.5 | 5.3 | 6.0 | 7.9 | 10.0 |
| 120～140 | 2.8 | 4.5 | 5.3 | 6.1 | 8.1 | 10.3 |

CDGM