| H-ZBaF16 667484 | $n_d$ =1.66672 | $\upsilon_d$ =48.42 | $n_F - n_C$ =0.013769 |
|---|---|---|---|
| | $n_e$ =1.67000 | $\upsilon_e$ =48.13 | $n_{F'} - n_{C'}$ =0.013920 |

| Refractive Indices | | |
|---|---|---|
| | λ (nm) | |
| $n_t$ | 1014.0 | 1.65212 |
| $n_r$ | 706.5 | 1.66029 |
| $n_c$ | 656.3 | 1.66260 |
| $n_{c'}$ | 643.8 | 1.66325 |
| $n_{He-Ne}$ | 632.8 | 1.66386 |
| $n_D$ | 589.3 | 1.66660 |
| $n_d$ | 587.6 | 1.66672 |
| $n_e$ | 546.1 | 1.67000 |
| $n_F$ | 486.1 | 1.67637 |
| $n_{F'}$ | 480.0 | 1.67717 |
| $n_g$ | 435.8 | 1.68408 |
| $n_h$ | 404.7 | 1.69060 |
| $n_i$ | 365.0 | 1.70196 |

| Constants of Dispersion Formula | |
|---|---|
| $A_0$ | 2.7163405 |
| $A_1$ | $-8.0084811\times10^{-3}$ |
| $A_2$ | $2.2067359\times10^{-2}$ |
| $A_3$ | $-1.4321177\times10^{-4}$ |
| $A_4$ | $7.6703223\times10^{-5}$ |
| $A_5$ | $-2.7133830\times10^{-6}$ |

| Deviation of Relative Partial Dispersions ΔP from the"Normal Line" | |
|---|---|
| $\Delta P_{F,e}$ | -0.0006 |
| $\Delta Pg_{,F}$ | -0.0034 |

| Relative Partial Dispersions | | | |
|---|---|---|---|
| $P_{d,c}$ | 0.2992 | $P'_{d,c'}$ | 0.2493 |
| $P_{e,d}$ | 0.2382 | $P'_{e,d}$ | 0.2356 |
| $P_{g,F}$ | 0.5599 | $P'_{g,F'}$ | 0.4963 |

| Chemical Properties | |
|---|---|
| | Grade |
| RC(S) | 1 |
| RA(S) | 3 |
| $D_W$ | 1 |
| $D_A$ | 3 |

| Thermal Properties | |
|---|---|
| $T_g$ (℃) | 589 |
| $T_s$ (℃) | 644 |
| $T_{10^{14.5}}$ (℃) | 536 |
| $T_{10^{13}}$ (℃) | 576 |
| $T_{10^{7.6}}$(℃) | 724 |
| $\alpha_{20/120℃}$($10^{-7}$/K) | 72 |
| $\alpha_{100/300℃}$($10^{-7}$/K) | 88 |
| λ (W/m・K) | |

| Mechanical Properties | |
|---|---|
| $H_K$ ($10^7$Pa) | 577 |
| $F_A$ | 163 |
| E ($10^7$Pa) | 7648 |
| G ($10^7$Pa) | 3000 |
| μ | 0.275 |
| B ($10^{-12}$/Pa) | |

| Other Properties | |
|---|---|
| ρ (g/cm$^3$) | 3.59 |

| Internal Transmittance | | |
|---|---|---|
| λ (nm) | τ 5 mm | τ 10 mm |
| 2400 | 0.943 | 0.890 |
| 2200 | 0.971 | 0.943 |
| 2000 | 0.986 | 0.973 |
| 1800 | 0.992 | 0.985 |
| 1600 | 0.998 | 0.996 |
| 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 | 0.998 | 0.996 |
| 650 | 0.997 | 0.995 |
| 600 | 0.997 | 0.995 |
| 550 | 0.997 | 0.995 |
| 500 | 0.996 | 0.992 |
| 480 | 0.994 | 0.989 |
| 460 | 0.992 | 0.985 |
| 440 | 0.991 | 0.982 |
| 420 | 0.989 | 0.978 |
| 400 | 0.980 | 0.960 |
| 390 | 0.969 | 0.938 |
| 380 | 0.948 | 0.898 |
| 370 | 0.904 | 0.817 |
| 360 | 0.81 | 0.65 |
| 350 | 0.62 | 0.39 |
| 340 | 0.32 | 0.10 |
| 330 | | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |

| Coloration Code | |
|---|---|
| $\lambda_{80}/\lambda_5$ | 37/33 |

| Temperature Coefficients of Refractive Index | | | | | | |
|---|---|---|---|---|---|---|
| Rang of Temperature | dn/dt relative($10^{-6}$/℃) | | | | | |
| | t | C′ | d | e | F′ | g |
| -40～-20 | 3.4 | 3.7 | 4.1 | 4.3 | 4.5 | 5.3 |
| -20～0 | 3.3 | 3.6 | 3.9 | 4.3 | 4.8 | 5.3 |
| 0～20 | 3.2 | 4.1 | 4.4 | 4.7 | 5.3 | 5.5 |
| 20～40 | 3.7 | 4.3 | 4.6 | 4.8 | 5.3 | 6.1 |
| 40～60 | 3.7 | 4.4 | 4.5 | 4.8 | 5.3 | 6.3 |
| 60～80 | 3.7 | 4.4 | 4.7 | 4.9 | 5.8 | 6.4 |