

N-SF5 673323.286

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1.67271$ | $v_d = 32.25$ | $n_F - n_C = 0.020858$ |
| $n_e = 1.67763$ | $v_e = 32.00$ | $n_{F'} - n_{C'} = 0.021177$ |

| Refractive Indices | | |
|--------------------|----------------|---------|
| | λ [nm] | |
| $n_{2325.4}$ | 2325.4 | 1.62935 |
| $n_{1970.1}$ | 1970.1 | 1.63554 |
| $n_{1529.6}$ | 1529.6 | 1.64249 |
| $n_{1060.0}$ | 1060.0 | 1.65080 |
| n_t | 1014.0 | 1.65188 |
| n_s | 852.1 | 1.65661 |
| n_r | 706.5 | 1.66330 |
| n_C | 656.3 | 1.66664 |
| $n_{C'}$ | 643.8 | 1.66759 |
| $n_{632.8}$ | 632.8 | 1.66848 |
| n_D | 589.3 | 1.67253 |
| n_d | 587.6 | 1.67271 |
| n_e | 546.1 | 1.67763 |
| n_F | 486.1 | 1.68750 |
| $n_{F'}$ | 480.0 | 1.68876 |
| n_g | 435.8 | 1.69998 |
| n_h | 404.7 | 1.71106 |
| n_i | 365.0 | |
| $n_{334.1}$ | 334.1 | |
| $n_{312.6}$ | 312.6 | |
| $n_{296.7}$ | 296.7 | |
| $n_{280.4}$ | 280.4 | |
| $n_{248.3}$ | 248.3 | |

| Internal Transmittance τ_i | | |
|---------------------------------|-----------------|-----------------|
| λ [nm] | τ_i (10mm) | τ_i (25mm) |
| 2500 | 0.758 | 0.500 |
| 2325 | 0.831 | 0.630 |
| 1970 | 0.950 | 0.880 |
| 1530 | 0.990 | 0.975 |
| 1060 | 0.998 | 0.994 |
| 700 | 0.996 | 0.989 |
| 660 | 0.995 | 0.987 |
| 620 | 0.995 | 0.988 |
| 580 | 0.996 | 0.991 |
| 546 | 0.995 | 0.988 |
| 500 | 0.990 | 0.976 |
| 460 | 0.982 | 0.956 |
| 436 | 0.973 | 0.935 |
| 420 | 0.963 | 0.910 |
| 405 | 0.928 | 0.830 |
| 400 | 0.905 | 0.780 |
| 390 | 0.826 | 0.620 |
| 380 | 0.642 | 0.330 |
| 370 | 0.276 | 0.040 |
| 365 | 0.116 | |
| 350 | | |
| 334 | | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Partial Dispersion | |
|-----------------------------|--------|
| $P_{s,t}$ | 0.2270 |
| $P_{C,s}$ | 0.4807 |
| $P_{d,C}$ | 0.2910 |
| $P_{e,d}$ | 0.2362 |
| $P_{g,F}$ | 0.5984 |
| $P_{i,h}$ | |
| $P'_{s,t}$ | 0.2236 |
| $P'_{C',s}$ | 0.5184 |
| $P'_{d,C'}$ | 0.2418 |
| $P'_{e,d}$ | 0.2327 |
| $P'_{g,F'}$ | 0.5295 |
| $P'_{i,h}$ | |

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"

| | |
|------------------|--------|
| $\Delta P_{C,t}$ | 0.0097 |
| $\Delta P_{C,s}$ | 0.0027 |
| $\Delta P_{F,e}$ | 0.0014 |
| $\Delta P_{g,F}$ | 0.0088 |
| $\Delta P_{i,g}$ | |

| Constants of Dispersion Formula | |
|---------------------------------|--------------|
| B_1 | 1.52481889 |
| B_2 | 0.187085527 |
| B_3 | 1.42729015 |
| C_1 | 0.011254756 |
| C_2 | 0.0588995392 |
| C_3 | 129.141675 |

| Constants of Dispersion dn/dT | |
|---------------------------------|------------------------|
| D_0 | $-2.51 \cdot 10^{-7}$ |
| D_1 | $1.07 \cdot 10^{-8}$ |
| D_2 | $-2.40 \cdot 10^{-11}$ |
| E_0 | $7.85 \cdot 10^{-7}$ |
| E_1 | $1.15 \cdot 10^{-9}$ |
| $\lambda_{TK} [\mu m]$ | 0.278 |

| Color Code | |
|--------------------------------|-------|
| λ_{80}/λ_5 | 40/36 |
| (*= λ_{70}/λ_5) | |

| Remarks | |
|--------------------|--|
| step 0.5 available | |

| Other Properties | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 7.9 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 9.2 |
| $T_g [^\circ C]$ | 578 |
| $T_{10}^{13.0} [^\circ C]$ | 576 |
| $T_{10}^{7.6} [^\circ C]$ | 693 |
| $c_p [J/(g \cdot K)]$ | 0.770 |
| $\lambda [W/(m \cdot K)]$ | 1.000 |
| $\rho [g/cm^3]$ | 2.86 |
| $E [10^3 N/mm^2]$ | 87 |
| μ | 0.237 |
| $K [10^{-6} mm^2/N]$ | 2.99 |
| $HK_{0.1/20}$ | 620 |
| HG | 3 |
| CR | 1 |
| FR | 0 |
| SR | 1 |
| AR | 1 |
| PR | 1 |

| Temperature Coefficients of Refractive Index | | | | | | |
|--|---------------------------------------|-----|-----|---------------------------------------|-----|-----|
| [$^\circ C$] | $\Delta n_{rel}/\Delta T [10^{-6}/K]$ | | | $\Delta n_{abs}/\Delta T [10^{-6}/K]$ | | |
| | 1060.0 | e | g | 1060.0 | e | g |
| -40/ -20 | 1.8 | 3.1 | 4.8 | -0.5 | 0.8 | 2.5 |
| +20/ +40 | 1.8 | 3.4 | 5.5 | 0.4 | 2.0 | 4.0 |
| +60/ +80 | 1.9 | 3.7 | 6.0 | 0.8 | 2.5 | 4.8 |