

N-SF66 923209.400

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1.92286$ | $v_d = 20.88$ | $n_F - n_C = 0.044199$ |
| $n_e = 1.93322$ | $v_e = 20.70$ | $n_{F'} - n_{C'} = 0.045076$ |

| Refractive Indices | | |
|--------------------|----------------|---------|
| | λ [nm] | |
| $n_{2325.4}$ | 2325.4 | 1.84839 |
| $n_{1970.1}$ | 1970.1 | 1.85665 |
| $n_{1529.6}$ | 1529.6 | 1.86650 |
| $n_{1060.0}$ | 1060.0 | 1.87999 |
| n_t | 1014.0 | 1.88189 |
| n_s | 852.1 | 1.89064 |
| n_r | 706.5 | 1.90368 |
| n_C | 656.3 | 1.91039 |
| $n_{C'}$ | 643.8 | 1.91232 |
| $n_{632.8}$ | 632.8 | 1.91414 |
| n_D | 589.3 | 1.92248 |
| n_d | 587.6 | 1.92286 |
| n_e | 546.1 | 1.93322 |
| n_F | 486.1 | 1.95459 |
| $n_{F'}$ | 480.0 | 1.95739 |
| n_g | 435.8 | 1.98285 |
| n_h | 404.7 | |
| 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 | 0.793 | 0.560 |
| 2325 | 0.837 | 0.640 |
| 1970 | 0.947 | 0.873 |
| 1530 | 0.989 | 0.973 |
| 1060 | 0.996 | 0.991 |
| 700 | 0.991 | 0.977 |
| 660 | 0.987 | 0.968 |
| 620 | 0.983 | 0.958 |
| 580 | 0.976 | 0.940 |
| 546 | 0.963 | 0.910 |
| 500 | 0.928 | 0.830 |
| 460 | 0.887 | 0.740 |
| 436 | 0.831 | 0.630 |
| 420 | 0.758 | 0.500 |
| 405 | 0.592 | 0.270 |
| 400 | 0.504 | 0.180 |
| 390 | 0.250 | 0.020 |
| 380 | 0.040 | |
| 370 | 0.001 | |
| 365 | | |
| 350 | | |
| 334 | | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Partial Dispersion | |
|-----------------------------|--------|
| $P_{s,t}$ | 0.1980 |
| $P_{C,s}$ | 0.4467 |
| $P_{d,C}$ | 0.2822 |
| $P_{e,d}$ | 0.2345 |
| $P_{g,F}$ | 0.6394 |
| $P_{i,h}$ | |
| $P'_{s,t}$ | 0.1941 |
| $P'_{C',s}$ | 0.4808 |
| $P'_{d,C'}$ | 0.2339 |
| $P'_{e,d}$ | 0.2299 |
| $P'_{g,F'}$ | 0.5647 |
| $P'_{i,h}$ | |

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

| | |
|------------------|---------|
| $\Delta P_{C,t}$ | 0.0007 |
| $\Delta P_{C,s}$ | -0.0048 |
| $\Delta P_{F,e}$ | 0.0059 |
| $\Delta P_{g,F}$ | 0.0307 |
| $\Delta P_{i,g}$ | |

| Constants of Dispersion Formula | |
|---------------------------------|--------------|
| B_1 | 2.0245976 |
| B_2 | 0.470187196 |
| B_3 | 2.59970433 |
| C_1 | 0.0147053225 |
| C_2 | 0.0692998276 |
| C_3 | 161.817601 |

| Constants of Dispersion dn/dT | |
|---------------------------------|-----------------------|
| D_0 | $-4.30 \cdot 10^{-6}$ |
| D_1 | $1.15 \cdot 10^{-8}$ |
| D_2 | $4.31 \cdot 10^{-11}$ |
| E_0 | $9.62 \cdot 10^{-7}$ |
| E_1 | $1.62 \cdot 10^{-9}$ |
| $\lambda_{TK} [\mu m]$ | 0.322 |

| Color Code | |
|--------------------------------|--------|
| λ_{80}/λ_5 | 45/39* |
| (*= λ_{70}/λ_5) | |

| Remarks |
|---------|
| |

| Other Properties | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 5.9 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 6.8 |
| $T_g [^\circ C]$ | 710 |
| $T_{10}^{13.0} [^\circ C]$ | 711 |
| $T_{10}^{7.6} [^\circ C]$ | 806 |
| $c_p [J/(g \cdot K)]$ | 0.540 |
| $\lambda [W/(m \cdot K)]$ | 0.800 |
| $\rho [g/cm^3]$ | 4.00 |
| $E [10^3 N/mm^2]$ | 95 |
| μ | 0.259 |
| $K [10^{-6} mm^2/N]$ | 2.86 |
| $HK_{0.1/20}$ | 440 |
| 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 | -0.4 | 1.9 | 5.8 | -2.9 | -0.7 | 3.1 |
| +20/ +40 | -0.5 | 2.4 | 7.3 | -2.1 | 0.8 | 5.5 |
| +60/ +80 | 0.1 | 3.4 | 8.9 | -1.2 | 2.1 | 7.5 |