

N-LAF35 743494.412

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1.74330$ | $v_d = 49.40$ | $n_F - n_C = 0.015047$ |
| $n_e = 1.74688$ | $v_e = 49.16$ | $n_{F'} - n_{C'} = 0.015194$ |

| Refractive Indices | | |
|--------------------|----------------|---------|
| | λ [nm] | |
| $n_{2325.4}$ | 2325.4 | |
| $n_{1970.1}$ | 1970.1 | |
| $n_{1529.6}$ | 1529.6 | |
| $n_{1060.0}$ | 1060.0 | 1.72588 |
| n_t | 1014.0 | 1.72683 |
| n_s | 852.1 | 1.73086 |
| n_r | 706.5 | 1.73620 |
| n_C | 656.3 | 1.73876 |
| $n_{C'}$ | 643.8 | 1.73948 |
| $n_{632.8}$ | 632.8 | 1.74015 |
| n_D | 589.3 | 1.74317 |
| n_d | 587.6 | 1.74330 |
| n_e | 546.1 | 1.74688 |
| n_F | 486.1 | 1.75381 |
| $n_{F'}$ | 480.0 | 1.75467 |
| n_g | 435.8 | 1.76212 |
| n_h | 404.7 | 1.76908 |
| 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 | 0.398 | 0.100 |
| 2325 | 0.713 | 0.430 |
| 1970 | 0.937 | 0.850 |
| 1530 | 0.988 | 0.970 |
| 1060 | 0.998 | 0.995 |
| 700 | 0.998 | 0.996 |
| 660 | 0.998 | 0.996 |
| 620 | 0.998 | 0.994 |
| 580 | 0.998 | 0.994 |
| 546 | 0.998 | 0.995 |
| 500 | 0.997 | 0.992 |
| 460 | 0.994 | 0.985 |
| 436 | 0.990 | 0.976 |
| 420 | 0.987 | 0.967 |
| 405 | 0.980 | 0.950 |
| 400 | 0.976 | 0.940 |
| 390 | 0.966 | 0.920 |
| 380 | 0.948 | 0.880 |
| 370 | 0.918 | 0.810 |
| 365 | 0.898 | 0.760 |
| 350 | 0.788 | 0.550 |
| 334 | 0.592 | 0.270 |
| 320 | 0.348 | 0.200 |
| 310 | 0.152 | 0.080 |
| 300 | 0.026 | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Partial Dispersion | |
|-----------------------------|--------|
| $P_{s,t}$ | 0.2674 |
| $P_{C,s}$ | 0.5253 |
| $P_{d,C}$ | 0.3017 |
| $P_{e,d}$ | 0.2381 |
| $P_{g,F}$ | 0.5523 |
| $P_{i,h}$ | |
| $P'_{s,t}$ | 0.2648 |
| $P'_{C',s}$ | 0.5676 |
| $P'_{d,C'}$ | 0.2514 |
| $P'_{e,d}$ | 0.2358 |
| $P'_{g,F'}$ | 0.4899 |
| $P'_{i,h}$ | |

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

| | |
|------------------|---------|
| $\Delta P_{C,t}$ | 0.0134 |
| $\Delta P_{C,s}$ | 0.0072 |
| $\Delta P_{F,e}$ | -0.0022 |
| $\Delta P_{g,F}$ | -0.0084 |
| $\Delta P_{i,g}$ | |

| Constants of Dispersion Formula | |
|---------------------------------|---------------|
| B_1 | 1.51697436 |
| B_2 | 0.455875464 |
| B_3 | 1.07469242 |
| C_1 | 0.00750943203 |
| C_2 | 0.0260046715 |
| C_3 | 80.5945159 |

| Constants of Dispersion dn/dT | |
|---------------------------------|------------------------|
| D_0 | $8.98 \cdot 10^{-6}$ |
| D_1 | $1.26 \cdot 10^{-8}$ |
| D_2 | $-1.23 \cdot 10^{-11}$ |
| E_0 | $6.24 \cdot 10^{-7}$ |
| E_1 | $6.86 \cdot 10^{-10}$ |
| $\lambda_{TK} [\mu m]$ | 0.194 |

| Color Code | |
|--------------------------------|-------|
| λ_{80}/λ_5 | 38/30 |
| (*= λ_{70}/λ_5) | |

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

| Other Properties | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 5.3 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 6.4 |
| $T_g [^\circ C]$ | 589 |
| $T_{10}^{13.0} [^\circ C]$ | 585 |
| $T_{10}^{7.6} [^\circ C]$ | 669 |
| $c_p [J/(g \cdot K)]$ | 0.570 |
| $\lambda [W/(m \cdot K)]$ | 0.800 |
| $\rho [g/cm^3]$ | 4.12 |
| $E [10^3 N/mm^2]$ | 109 |
| μ | 0.301 |
| $K [10^{-6} mm^2/N]$ | 2.29 |
| $HK_{0.1/20}$ | 660 |
| HG | 2 |
| CR | 2 |
| FR | 1 |
| SR | 52.3 |
| AR | 1 |
| PR | 3.3 |

| 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 | 7.0 | 8.1 | 9.2 | 4.7 | 5.7 | 6.7 |
| +20/ +40 | 7.1 | 8.4 | 9.6 | 5.6 | 6.9 | 8.0 |
| +60/ +80 | 7.3 | 8.7 | 10.0 | 6.2 | 7.5 | 8.8 |