

N-SK5 589613.330

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1.58913$ | $v_d = 61.27$ | $n_F - n_C = 0.009616$ |
| $n_e = 1.59142$ | $v_e = 61.02$ | $n_{F'} - n_{C'} = 0.009692$ |

| Refractive Indices | | |
|--------------------|----------------|---------|
| | λ [nm] | |
| $n_{2325.4}$ | 2325.4 | 1.55966 |
| $n_{1970.1}$ | 1970.1 | 1.56539 |
| $n_{1529.6}$ | 1529.6 | 1.57140 |
| $n_{1060.0}$ | 1060.0 | 1.57747 |
| n_t | 1014.0 | 1.57815 |
| n_s | 852.1 | 1.58094 |
| n_r | 706.5 | 1.58451 |
| n_C | 656.3 | 1.58619 |
| $n_{C'}$ | 643.8 | 1.58666 |
| $n_{632.8}$ | 632.8 | 1.58710 |
| n_D | 589.3 | 1.58904 |
| n_d | 587.6 | 1.58913 |
| n_e | 546.1 | 1.59142 |
| n_F | 486.1 | 1.59581 |
| $n_{F'}$ | 480.0 | 1.59635 |
| n_g | 435.8 | 1.60100 |
| n_h | 404.7 | 1.60530 |
| n_i | 365.0 | 1.61260 |
| $n_{334.1}$ | 334.1 | 1.62043 |
| $n_{312.6}$ | 312.6 | 1.62759 |
| $n_{296.7}$ | 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 | 0.680 | 0.380 |
| 2325 | 0.840 | 0.640 |
| 1970 | 0.963 | 0.910 |
| 1530 | 0.992 | 0.980 |
| 1060 | 0.999 | 0.997 |
| 700 | 0.998 | 0.995 |
| 660 | 0.998 | 0.994 |
| 620 | 0.997 | 0.993 |
| 580 | 0.998 | 0.995 |
| 546 | 0.998 | 0.996 |
| 500 | 0.998 | 0.994 |
| 460 | 0.996 | 0.989 |
| 436 | 0.995 | 0.987 |
| 420 | 0.994 | 0.986 |
| 405 | 0.993 | 0.983 |
| 400 | 0.992 | 0.981 |
| 390 | 0.988 | 0.971 |
| 380 | 0.984 | 0.960 |
| 370 | 0.976 | 0.940 |
| 365 | 0.971 | 0.930 |
| 350 | 0.920 | 0.820 |
| 334 | 0.800 | 0.580 |
| 320 | 0.590 | 0.270 |
| 310 | 0.400 | 0.100 |
| 300 | 0.210 | 0.020 |
| 290 | 0.090 | |
| 280 | 0.030 | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Partial Dispersion | |
|-----------------------------|--------|
| $P_{s,t}$ | 0.2904 |
| $P_{C,s}$ | 0.5460 |
| $P_{d,C}$ | 0.3055 |
| $P_{e,d}$ | 0.2386 |
| $P_{g,F}$ | 0.5400 |
| $P_{i,h}$ | 0.7591 |
| | |
| $P'_{s,t}$ | 0.2881 |
| $P'_{C',s}$ | 0.5901 |
| $P'_{d,C'}$ | 0.2547 |
| $P'_{e,d}$ | 0.2367 |
| $P'_{g,F'}$ | 0.4796 |
| $P'_{i,h}$ | 0.7531 |

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

| | |
|------------------|---------|
| $\Delta P_{C,t}$ | 0.0008 |
| $\Delta P_{C,s}$ | 0.0003 |
| $\Delta P_{F,e}$ | -0.0002 |
| $\Delta P_{g,F}$ | -0.0007 |
| $\Delta P_{i,g}$ | -0.0045 |

| Constants of Dispersion Formula | |
|---------------------------------|---------------|
| B_1 | 0.991463823 |
| B_2 | 0.495982121 |
| B_3 | 0.987393925 |
| C_1 | 0.00522730467 |
| C_2 | 0.0172733646 |
| C_3 | 98.3594579 |

| Constants of Dispersion dn/dT | |
|---------------------------------|------------------------|
| D_0 | $3.50 \cdot 10^{-6}$ |
| D_1 | $1.22 \cdot 10^{-8}$ |
| D_2 | $6.38 \cdot 10^{-11}$ |
| E_0 | $2.46 \cdot 10^{-7}$ |
| E_1 | $-3.34 \cdot 10^{-11}$ |
| $\lambda_{TK} [\mu m]$ | 0.278 |

| Color Code | |
|---------------------------------|-------|
| λ_{80}/λ_5 | 34/29 |
| (* = λ_{70}/λ_5) | |

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

| Other Properties | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 5.5 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 6.5 |
| $T_g [^\circ C]$ | 660 |
| $T_{10}^{13.0} [^\circ C]$ | 657 |
| $T_{10}^{7.6} [^\circ C]$ | 791 |
| $c_p [J/(g \cdot K)]$ | 0.560 |
| $\lambda [W/(m \cdot K)]$ | 0.990 |
| | |
| $\rho [g/cm^3]$ | 3.30 |
| $E [10^3 N/mm^2]$ | 84 |
| μ | 0.256 |
| $K [10^{-6} mm^2/N]$ | 2.16 |
| $HK_{0.1/20}$ | 590 |
| HG | 3 |
| | |
| | |
| | |
| CR | 3 |
| FR | 1 |
| SR | 4.4 |
| AR | 2 |
| PR | 1.3 |

| 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 | 3.5 | 4.0 | 4.6 | 1.4 | 1.9 | 2.4 |
| +20/ +40 | 3.2 | 3.7 | 4.3 | 1.9 | 2.3 | 2.9 |
| +60/ +80 | 3.6 | 4.1 | 4.7 | 2.6 | 3.0 | 3.6 |