

N-KF9
523515.250

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1,52346$ | $v_d = 51,54$ | $n_F - n_C = 0,010156$ |
| $n_e = 1,52588$ | $v_e = 51,26$ | $n_{F'} - n_{C'} = 0,010258$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,49608 |
| $n_{1970,1}$ | 1970,1 | 1,50095 |
| $n_{1529,6}$ | 1529,6 | 1,50616 |
| $n_{1060,0}$ | 1060,0 | 1,51170 |
| n_t | 1014,0 | 1,51234 |
| n_s | 852,1 | 1,51507 |
| n_r | 706,5 | 1,51867 |
| n_C | 656,3 | 1,52040 |
| $n_{C'}$ | 643,8 | 1,52089 |
| $n_{632,8}$ | 632,8 | 1,52134 |
| n_D | 589,3 | 1,52337 |
| n_d | 587,6 | 1,52346 |
| n_e | 546,1 | 1,52588 |
| n_F | 486,1 | 1,53056 |
| $n_{F'}$ | 480,0 | 1,53114 |
| n_g | 435,8 | 1,53620 |
| n_h | 404,7 | 1,54096 |
| n_i | 365,0 | 1,54925 |
| $n_{334,1}$ | 334,1 | |
| $n_{312,6}$ | 312,6 | |
| $n_{296,7}$ | 296,7 | |
| $n_{280,4}$ | 280,4 | |
| $n_{248,3}$ | 248,3 | |

| Reintransmissionsgrad τ_i | | |
|--------------------------------|-----------------|-----------------|
| λ [nm] | τ_i (10mm) | τ_i (25mm) |
| 2500 | 0,618 | 0,300 |
| 2325 | 0,713 | 0,430 |
| 1970 | 0,887 | 0,740 |
| 1530 | 0,992 | 0,981 |
| 1060 | 0,998 | 0,995 |
| 700 | 0,999 | 0,997 |
| 660 | 0,998 | 0,995 |
| 620 | 0,998 | 0,994 |
| 580 | 0,998 | 0,996 |
| 546 | 0,998 | 0,996 |
| 500 | 0,998 | 0,994 |
| 460 | 0,996 | 0,990 |
| 436 | 0,995 | 0,988 |
| 420 | 0,994 | 0,985 |
| 405 | 0,990 | 0,975 |
| 400 | 0,986 | 0,965 |
| 390 | 0,976 | 0,940 |
| 380 | 0,950 | 0,880 |
| 370 | 0,901 | 0,770 |
| 365 | 0,857 | 0,680 |
| 350 | 0,536 | 0,210 |
| 334 | 0,026 | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2683 |
| $P_{C,s}$ | 0,5249 |
| $P_{d,C}$ | 0,3012 |
| $P_{e,d}$ | 0,2380 |
| $P_{g,F}$ | 0,5558 |
| $P_{i,h}$ | 0,8161 |
| | |
| $P'_{s,t}$ | 0,2657 |
| $P'_{C',s}$ | 0,5669 |
| $P'_{d,C'}$ | 0,2509 |
| $P'_{e,d}$ | 0,2356 |
| $P'_{g,F'}$ | 0,4930 |
| $P'_{i,h}$ | 0,8080 |

| Abweichungen rel. Teil- dispersionen ΔP von der "Normalgeraden" | |
|---|---------|
| $\Delta P_{C,t}$ | 0,0038 |
| $\Delta P_{C,s}$ | 0,0018 |
| $\Delta P_{F,e}$ | -0,0004 |
| $\Delta P_{g,F}$ | -0,0014 |
| $\Delta P_{i,g}$ | -0,0075 |

| Konstanten der Dispersionsformel | |
|-------------------------------------|---------------|
| B_1 | 1,19286778 |
| B_2 | 0,0893346571 |
| B_3 | 0,920819805 |
| C_1 | 0,00839154696 |
| C_2 | 0,0404010786 |
| C_3 | 112,572446 |

| Sonstige Eigenschaften | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 9,6 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 11,0 |
| $T_g [^\circ C]$ | 476 |
| $T_{10}^{13,0} [^\circ C]$ | 476 |
| $T_{10}^{7,6} [^\circ C]$ | 640 |
| $c_p [J/(g \cdot K)]$ | 0,860 |
| $\lambda [W/(m \cdot K)]$ | 1,040 |
| | |
| $\rho [g/cm^3]$ | 2,50 |
| $E [10^3 N/mm^2]$ | 66 |
| μ | 0,225 |
| $K [10^{-6} mm^2/N]$ | 2,74 |
| $HK_{0,1/20}$ | 480 |
| HG | 1 |
| | |
| | |
| | |
| | |
| | |
| CR | 1 |
| FR | 0 |
| SR | 1 |
| AR | 1 |
| PR | 1 |

| Konstanten der Formel für dn/dT | |
|--------------------------------------|------------------------|
| D_0 | $-1,66 \cdot 10^{-6}$ |
| D_1 | $8,44 \cdot 10^{-9}$ |
| D_2 | $-1,01 \cdot 10^{-11}$ |
| E_0 | $6,10 \cdot 10^{-7}$ |
| E_1 | $6,96 \cdot 10^{-10}$ |
| $\lambda_{TK} [\mu m]$ | 0,217 |

| Farbcode | |
|---------------------------------|-------|
| λ_{80}/λ_5 | 37/34 |
| (* = λ_{70}/λ_5) | |

| Bemerkungen | |
|-------------|--|
| | |

| Temperaturkoeffizienten der Lichtbrechung | | | | | | |
|---|---------------------------------------|-----|-----|---------------------------------------|------|-----|
| | $\Delta n_{rel}/\Delta T [10^{-6}/K]$ | | | $\Delta n_{abs}/\Delta T [10^{-6}/K]$ | | |
| $[^\circ C]$ | 1060,0 | e | g | 1060,0 | e | g |
| -40/ -20 | 1,1 | 1,9 | 2,6 | -0,9 | -0,2 | 0,5 |
| +20/ +40 | 0,9 | 1,8 | 2,6 | -0,4 | 0,4 | 1,3 |
| +60/ +80 | 0,9 | 1,8 | 2,8 | -0,1 | 0,8 | 1,7 |