

N-SK2
607567.355

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1,60738$ | $v_d = 56,65$ | $n_F - n_C = 0,010722$ |
| $n_e = 1,60994$ | $v_e = 56,37$ | $n_{F'} - n_{C'} = 0,010821$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,57881 |
| $n_{1970,1}$ | 1970,1 | 1,58378 |
| $n_{1529,6}$ | 1529,6 | 1,58914 |
| $n_{1060,0}$ | 1060,0 | 1,59490 |
| n_t | 1014,0 | 1,59558 |
| n_s | 852,1 | 1,59847 |
| n_r | 706,5 | 1,60230 |
| n_C | 656,3 | 1,60414 |
| $n_{C'}$ | 643,8 | 1,60465 |
| $n_{632,8}$ | 632,8 | 1,60513 |
| n_D | 589,3 | 1,60729 |
| n_d | 587,6 | 1,60738 |
| n_e | 546,1 | 1,60994 |
| n_F | 486,1 | 1,61486 |
| $n_{F'}$ | 480,0 | 1,61547 |
| n_g | 435,8 | 1,62073 |
| n_h | 404,7 | 1,62562 |
| n_i | 365,0 | 1,63398 |
| $n_{334,1}$ | 334,1 | 1,64304 |
| $n_{312,6}$ | 312,6 | |
| $n_{296,7}$ | 296,7 | |
| $n_{280,4}$ | 280,4 | |
| $n_{248,3}$ | 248,3 | |

| Konstanten der Dispersionsformel | |
|----------------------------------|--------------|
| B_1 | 1,28189012 |
| B_2 | 0,257738258 |
| B_3 | 0,96818604 |
| C_1 | 0,0072719164 |
| C_2 | 0,0242823527 |
| C_3 | 110,377773 |

| Konstanten der Formel für dn/dT | |
|-----------------------------------|-----------------------|
| D_0 | $3,80 \cdot 10^{-6}$ |
| D_1 | $1,41 \cdot 10^{-8}$ |
| D_2 | $2,28 \cdot 10^{-11}$ |
| E_0 | $6,44 \cdot 10^{-7}$ |
| E_1 | $8,03 \cdot 10^{-11}$ |
| $\lambda_{TK} [\mu m]$ | 0,108 |

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

| Reintransmissionsgrad τ_i | | |
|--------------------------------|-----------------|-----------------|
| λ [nm] | τ_i (10mm) | τ_i (25mm) |
| 2500 | 0,815 | 0,600 |
| 2325 | 0,896 | 0,760 |
| 1970 | 0,971 | 0,930 |
| 1530 | 0,995 | 0,988 |
| 1060 | 0,998 | 0,995 |
| 700 | 0,998 | 0,995 |
| 660 | 0,998 | 0,994 |
| 620 | 0,998 | 0,994 |
| 580 | 0,998 | 0,995 |
| 546 | 0,998 | 0,995 |
| 500 | 0,996 | 0,990 |
| 460 | 0,993 | 0,983 |
| 436 | 0,993 | 0,982 |
| 420 | 0,994 | 0,984 |
| 405 | 0,994 | 0,985 |
| 400 | 0,994 | 0,984 |
| 390 | 0,992 | 0,979 |
| 380 | 0,988 | 0,970 |
| 370 | 0,976 | 0,940 |
| 365 | 0,967 | 0,920 |
| 350 | 0,905 | 0,780 |
| 334 | 0,752 | 0,490 |
| 320 | 0,504 | 0,180 |
| 310 | 0,276 | 0,040 |
| 300 | 0,102 | |
| 290 | 0,020 | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Farbcode | |
|----------------------------------|-------|
| λ_{80} / λ_5 | 33/28 |
| (*= λ_{70} / λ_5) | |

Bemerkungen
in Brechzahlstufe 0,5 verfügbar

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2690 |
| $P_{C,s}$ | 0,5285 |
| $P_{d,C}$ | 0,3027 |
| $P_{e,d}$ | 0,2384 |
| $P_{g,F}$ | 0,5477 |
| $P_{i,h}$ | 0,7802 |
| $P'_{s,t}$ | 0,2666 |
| $P'_{C,s}$ | 0,5713 |
| $P'_{d,C'}$ | 0,2523 |
| $P'_{e,d}$ | 0,2362 |
| $P'_{g,F'}$ | 0,4860 |
| $P'_{i,h}$ | 0,7730 |

| Abweichungen rel. Teildispersionen ΔP von der "Normalgeraden" | |
|-----------------------------------------------------------------------|---------|
| $\Delta P_{C,t}$ | -0,0162 |
| $\Delta P_{C,s}$ | -0,0064 |
| $\Delta P_{F,e}$ | 0,0003 |
| $\Delta P_{g,F}$ | -0,0008 |
| $\Delta P_{i,g}$ | -0,0130 |

| Sonstige Eigenschaften | |
|-----------------------------------|-------|
| $\alpha_{-30/+70°C} [10^{-6}/K]$ | 6,0 |
| $\alpha_{+20/+300°C} [10^{-6}/K]$ | 7,1 |
| $T_g [°C]$ | 659 |
| $T_{10}^{13,0} [°C]$ | 659 |
| $T_{10}^{7,6} [°C]$ | 823 |
| $c_p [J/(g \cdot K)]$ | 0,595 |
| $\lambda [W/(m \cdot K)]$ | 0,776 |
| $\rho [g/cm^3]$ | 3,55 |
| $E [10^3 N/mm^2]$ | 78 |
| μ | 0,263 |
| $K [10^{-6} mm^2/N]$ | 2,31 |
| $HK_{0,1/20}$ | 550 |
| HG | 2 |
| CR | 2 |
| FR | 0 |
| SR | 2.2 |
| AR | 1 |
| PR | 2.3 |