

N-KZFS2
558540.255

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1,55836$ | $v_d = 54,01$ | $n_F - n_C = 0,010338$ |
| $n_e = 1,56082$ | $v_e = 53,83$ | $n_{F'} - n_{C'} = 0,010418$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,52239 |
| $n_{1970,1}$ | 1970,1 | 1,53011 |
| $n_{1529,6}$ | 1529,6 | 1,53798 |
| $n_{1060,0}$ | 1060,0 | 1,54546 |
| n_t | 1014,0 | 1,54625 |
| n_s | 852,1 | 1,54944 |
| n_r | 706,5 | 1,55337 |
| n_C | 656,3 | 1,55519 |
| $n_{C'}$ | 643,8 | 1,55570 |
| $n_{632,8}$ | 632,8 | 1,55617 |
| n_D | 589,3 | 1,55827 |
| n_d | 587,6 | 1,55836 |
| n_e | 546,1 | 1,56082 |
| n_F | 486,1 | 1,56553 |
| $n_{F'}$ | 480,0 | 1,56612 |
| n_g | 435,8 | 1,57114 |
| n_h | 404,7 | 1,57580 |
| n_i | 365,0 | 1,58382 |
| $n_{334,1}$ | 334,1 | 1,59259 |
| $n_{312,6}$ | 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 | 0,276 | 0,040 |
| 2325 | 0,583 | 0,260 |
| 1970 | 0,915 | 0,800 |
| 1530 | 0,976 | 0,940 |
| 1060 | 0,996 | 0,991 |
| 700 | 0,998 | 0,996 |
| 660 | 0,998 | 0,994 |
| 620 | 0,998 | 0,994 |
| 580 | 0,998 | 0,994 |
| 546 | 0,998 | 0,994 |
| 500 | 0,997 | 0,992 |
| 460 | 0,995 | 0,987 |
| 436 | 0,992 | 0,981 |
| 420 | 0,990 | 0,975 |
| 405 | 0,987 | 0,967 |
| 400 | 0,985 | 0,963 |
| 390 | 0,980 | 0,950 |
| 380 | 0,971 | 0,930 |
| 370 | 0,963 | 0,910 |
| 365 | 0,954 | 0,890 |
| 350 | 0,915 | 0,800 |
| 334 | 0,810 | 0,590 |
| 320 | 0,565 | 0,240 |
| 310 | 0,246 | 0,030 |
| 300 | 0,012 | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,3080 |
| $P_{C,s}$ | 0,5568 |
| $P_{d,C}$ | 0,3061 |
| $P_{e,d}$ | 0,2383 |
| $P_{g,F}$ | 0,5419 |
| $P_{i,h}$ | 0,7758 |
| $P'_{s,t}$ | 0,3056 |
| $P'_{C',s}$ | 0,6011 |
| $P'_{d,C'}$ | 0,2552 |
| $P'_{e,d}$ | 0,2365 |
| $P'_{g,F'}$ | 0,4814 |
| $P'_{i,h}$ | 0,7699 |

Abweichungen rel. Teildispersionen ΔP von der "Normalgeraden"

| | |
|------------------|---------|
| $\Delta P_{C,t}$ | 0,0636 |
| $\Delta P_{C,s}$ | 0,0280 |
| $\Delta P_{F,e}$ | -0,0044 |
| $\Delta P_{g,F}$ | -0,0111 |
| $\Delta P_{i,g}$ | -0,0440 |

| Konstanten der Dispersionsformel | |
|----------------------------------|---------------|
| B_1 | 1,23697554 |
| B_2 | 0,153569376 |
| B_3 | 0,903976272 |
| C_1 | 0,00747170505 |
| C_2 | 0,0308053556 |
| C_3 | 70,1731084 |

| Konstanten der Formel für dn/dT | |
|-----------------------------------|------------------------|
| D_0 | $6,77 \cdot 10^{-6}$ |
| D_1 | $1,31 \cdot 10^{-8}$ |
| D_2 | $-1,23 \cdot 10^{-11}$ |
| E_0 | $3,84 \cdot 10^{-7}$ |
| E_1 | $5,51 \cdot 10^{-10}$ |
| $\lambda_{TK} [\mu m]$ | 0,196 |

| Farbcode | |
|---------------------------------|-------|
| λ_{80}/λ_5 | 34/30 |
| (* = λ_{70}/λ_5) | |

Bemerkungen
zum Blankpressen geeignet, in Brechzahlstufe 0,5 verfügbar

| Sonstige Eigenschaften | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 4,4 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 5,4 |
| $T_g [^\circ C]$ | 472 |
| $T_{10}^{13,0} [^\circ C]$ | 488 |
| $T_{10}^{7,6} [^\circ C]$ | 600 |
| $c_p [J/(g \cdot K)]$ | 0,830 |
| $\lambda [W/(m \cdot K)]$ | 0,810 |
| $AT [^\circ C]$ | 533 |
| $\rho [g/cm^3]$ | 2,54 |
| $E [10^3 N/mm^2]$ | 66 |
| μ | 0,266 |
| $K [10^{-6} mm^2/N]$ | 4,02 |
| $HK_{0,1/20}$ | 490 |
| HG | 3 |
| Abrasion Aa | 70 |
| CR | 1 |
| FR | 4 |
| SR | 52,3 |
| AR | 4,3 |
| PR | 4,2 |
| SR-J | 6 |
| WR-J | 6 |

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