

N-LASF46B 904313.451

| | | |
|-----------------|---------------|--------------------------|
| $n_d = 1,90366$ | $v_d = 31,32$ | $n_F - n_C = 0,028852$ |
| $n_e = 1,91048$ | $v_e = 31,09$ | $n_F' - n_C' = 0,029289$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,84657 |
| $n_{1970,1}$ | 1970,1 | 1,85418 |
| $n_{1529,6}$ | 1529,6 | 1,86283 |
| $n_{1060,0}$ | 1060,0 | 1,87362 |
| n_t | 1014,0 | 1,87505 |
| n_s | 852,1 | 1,88146 |
| n_r | 706,5 | 1,89065 |
| n_C | 656,3 | 1,89526 |
| $n_{C'}$ | 643,8 | 1,89657 |
| $n_{632,8}$ | 632,8 | 1,89781 |
| n_D | 589,3 | 1,90341 |
| n_d | 587,6 | 1,90366 |
| n_e | 546,1 | 1,91048 |
| n_F | 486,1 | 1,92411 |
| $n_{F'}$ | 480,0 | 1,92586 |
| n_g | 435,8 | 1,94130 |
| n_h | 404,7 | 1,95647 |
| 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 | |

| Reintransmissionsgrad τ_i | | |
|--------------------------------|-----------------|-----------------|
| λ [nm] | τ_i (10mm) | τ_i (25mm) |
| 2500 | 0,556 | 0,230 |
| 2325 | 0,787 | 0,550 |
| 1970 | 0,954 | 0,890 |
| 1530 | 0,991 | 0,977 |
| 1060 | 0,998 | 0,996 |
| 700 | 0,997 | 0,992 |
| 660 | 0,996 | 0,990 |
| 620 | 0,995 | 0,987 |
| 580 | 0,993 | 0,982 |
| 546 | 0,990 | 0,974 |
| 500 | 0,981 | 0,952 |
| 460 | 0,963 | 0,910 |
| 436 | 0,946 | 0,870 |
| 420 | 0,924 | 0,820 |
| 405 | 0,872 | 0,710 |
| 400 | 0,847 | 0,660 |
| 390 | 0,752 | 0,490 |
| 380 | 0,556 | 0,230 |
| 370 | 0,275 | 0,021 |
| 365 | 0,114 | |
| 350 | | |
| 334 | | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2222 |
| $P_{C,s}$ | 0,4783 |
| $P_{d,C}$ | 0,2911 |
| $P_{e,d}$ | 0,2364 |
| $P_{g,F}$ | 0,5956 |
| $P_{i,h}$ | |
| $P'_{s,t}$ | 0,2189 |
| $P'_{C',s}$ | 0,5160 |
| $P'_{d,C'}$ | 0,2419 |
| $P'_{e,d}$ | 0,2329 |
| $P'_{g,F'}$ | 0,5270 |
| $P'_{i,h}$ | |

Abweichungen rel. Teil- dispersionen ΔP von der "Normalgeraden"

| | |
|------------------|--------|
| $\Delta P_{C,t}$ | 0,0069 |
| $\Delta P_{C,s}$ | 0,0024 |
| $\Delta P_{F,e}$ | 0,0006 |
| $\Delta P_{g,F}$ | 0,0045 |
| $\Delta P_{i,g}$ | |

| Konstanten der Dispersionsformel | |
|-------------------------------------|--------------|
| B_1 | 2,17988922 |
| B_2 | 0,306495184 |
| B_3 | 1,56882437 |
| C_1 | 0,0125805384 |
| C_2 | 0,0567191367 |
| C_3 | 105,316538 |

| Konstanten der Formel für dn/dT | |
|--------------------------------------|------------------------|
| D_0 | $5,98 \cdot 10^{-6}$ |
| D_1 | $1,30 \cdot 10^{-8}$ |
| D_2 | $-3,50 \cdot 10^{-12}$ |
| E_0 | $9,13 \cdot 10^{-7}$ |
| E_1 | $1,24 \cdot 10^{-9}$ |
| $\lambda_{TK} [\mu m]$ | 0,267 |

| Farbcode | |
|--------------------------------|--------|
| λ_{80}/λ_5 | 40/36* |
| (*= λ_{70}/λ_5) | |

| Bemerkungen | |
|---------------------------|--|
| zum Blankpressen geeignet | |

| Sonstige Eigenschaften | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 6,0 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 7,1 |
| $T_g [^\circ C]$ | 611 |
| $T_{10}^{13,0} [^\circ C]$ | 613 |
| $T_{10}^{7,6} [^\circ C]$ | 703 |
| $c_p [J/(g \cdot K)]$ | 0,550 |
| $\lambda [W/(m \cdot K)]$ | 0,880 |
| $AT [^\circ C]$ | 649 |
| $\rho [g/cm^3]$ | 4,51 |
| $E [10^3 N/mm^2]$ | 121 |
| μ | 0,303 |
| $K [10^{-6} mm^2/N]$ | 1,87 |
| $HK_{0,1/20}$ | 712 |
| HG | |
| $Abrasion Aa$ | 55 |
| CR | 1 |
| FR | 0 |
| SR | 3,3 |
| AR | 1 |
| PR | 1 |
| $SR-J$ | 2 |
| $WR-J$ | 1 |

| 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 | 6,1 | 8,2 | 10,7 | 3,6 | 5,6 | 8,1 |
| +20/ +40 | 6,4 | 8,9 | 11,8 | 4,8 | 7,2 | 10,1 |
| +60/ +80 | 6,8 | 9,5 | 12,7 | 5,5 | 8,2 | 11,4 |