

N-LAF33
786441.436

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1,78582$ | $v_d = 44,05$ | $n_F - n_C = 0,017839$ |
| $n_e = 1,79007$ | $v_e = 43,80$ | $n_{F'} - n_{C'} = 0,018038$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,74262 |
| $n_{1970,1}$ | 1970,1 | 1,74968 |
| $n_{1529,6}$ | 1529,6 | 1,75732 |
| $n_{1060,0}$ | 1060,0 | 1,76584 |
| n_t | 1014,0 | 1,76689 |
| n_s | 852,1 | 1,77138 |
| n_r | 706,5 | 1,77751 |
| n_C | 656,3 | 1,78049 |
| $n_{C'}$ | 643,8 | 1,78134 |
| $n_{632,8}$ | 632,8 | 1,78213 |
| n_D | 589,3 | 1,78567 |
| n_d | 587,6 | 1,78582 |
| n_e | 546,1 | 1,79007 |
| n_F | 486,1 | 1,79833 |
| $n_{F'}$ | 480,0 | 1,79937 |
| n_g | 435,8 | 1,80837 |
| n_h | 404,7 | 1,81687 |
| n_i | 365,0 | 1,83175 |
| $n_{334,1}$ | 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 | 0,473 | 0,154 |
| 2325 | 0,744 | 0,478 |
| 1970 | 0,945 | 0,868 |
| 1530 | 0,990 | 0,974 |
| 1060 | 0,999 | 0,998 |
| 700 | 0,998 | 0,996 |
| 660 | 0,998 | 0,995 |
| 620 | 0,998 | 0,994 |
| 580 | 0,998 | 0,994 |
| 546 | 0,998 | 0,994 |
| 500 | 0,995 | 0,988 |
| 460 | 0,989 | 0,973 |
| 436 | 0,983 | 0,959 |
| 420 | 0,978 | 0,946 |
| 405 | 0,968 | 0,922 |
| 400 | 0,963 | 0,910 |
| 390 | 0,948 | 0,874 |
| 380 | 0,921 | 0,813 |
| 370 | 0,874 | 0,714 |
| 365 | 0,841 | 0,648 |
| 350 | 0,692 | 0,399 |
| 334 | 0,382 | 0,090 |
| 320 | 0,076 | 0,002 |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2520 |
| $P_{C,s}$ | 0,5107 |
| $P_{d,C}$ | 0,2988 |
| $P_{e,d}$ | 0,2378 |
| $P_{g,F}$ | 0,5626 |
| $P_{i,h}$ | 0,8339 |
| $P'_{s,t}$ | 0,2492 |
| $P'_{C',s}$ | 0,5518 |
| $P'_{d,C'}$ | 0,2488 |
| $P'_{e,d}$ | 0,2351 |
| $P'_{g,F'}$ | 0,4987 |
| $P'_{i,h}$ | 0,8247 |

Abweichungen rel. Teildispersionen ΔP von der "Normalgeraden"

| | |
|------------------|---------|
| $\Delta P_{C,t}$ | 0,0088 |
| $\Delta P_{C,s}$ | 0,0052 |
| $\Delta P_{F,e}$ | -0,0018 |
| $\Delta P_{g,F}$ | -0,0071 |
| $\Delta P_{i,g}$ | -0,0443 |

| Konstanten der Dispersionsformel | |
|----------------------------------|---------------|
| B_1 | 1,79653417 |
| B_2 | 0,311577903 |
| B_3 | 1,15981863 |
| C_1 | 0,00927313493 |
| C_2 | 0,0358201181 |
| C_3 | 87,3448712 |

| Konstanten der Formel für dn/dT | |
|-----------------------------------|------------------------|
| D_0 | $8,17 \cdot 10^{-6}$ |
| D_1 | $1,24 \cdot 10^{-8}$ |
| D_2 | $-1,65 \cdot 10^{-11}$ |
| E_0 | $7,11 \cdot 10^{-7}$ |
| E_1 | $8,59 \cdot 10^{-10}$ |
| $\lambda_{TK} [\mu m]$ | 0,21 |

| Farbcode | |
|---------------------------------|-------|
| λ_{80}/λ_5 | 39/32 |
| (* = λ_{70}/λ_5) | |

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

| Sonstige Eigenschaften | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 5,6 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 6,7 |
| $T_g [^\circ C]$ | 600 |
| $T_{10}^{13,0} [^\circ C]$ | 585 |
| $T_{10}^{7,6} [^\circ C]$ | 673 |
| $c_p [J/(g \cdot K)]$ | 0,570 |
| $\lambda [W/(m \cdot K)]$ | 0,800 |
| $AT [^\circ C]$ | 628 |
| $\rho [g/cm^3]$ | 4,36 |
| $E [10^3 N/mm^2]$ | 111 |
| μ | 0,301 |
| $K [10^{-6} mm^2/N]$ | 2,21 |
| $HK_{0,1/20}$ | 730 |
| HG | 1 |
| $Abrasion Aa$ | 67 |
| CR | 1 |
| FR | 2 |
| SR | 52,2 |
| AR | 1 |
| PR | 3 |
| $SR-J$ | 6 |
| $WR-J$ | 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 | 6,8 | 8,1 | 9,4 | 4,4 | 5,7 | 7,0 |
| +20/ +40 | 7,0 | 8,5 | 10,0 | 5,5 | 6,9 | 8,4 |
| +60/ +80 | 7,2 | 8,9 | 10,5 | 6,0 | 7,6 | 9,3 |