

P-LASF47 806409.454

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1,80610$ | $v_d = 40,90$ | $n_F - n_C = 0,019709$ |
| $n_e = 1,81078$ | $v_e = 40,66$ | $n_{F'} - n_{C'} = 0,019941$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,76040 |
| $n_{1970,1}$ | 1970,1 | 1,76755 |
| $n_{1529,6}$ | 1529,6 | 1,77538 |
| $n_{1060,0}$ | 1060,0 | 1,78432 |
| n_t | 1014,0 | 1,78544 |
| n_s | 852,1 | 1,79028 |
| n_r | 706,5 | 1,79696 |
| n_C | 656,3 | 1,80023 |
| $n_{C'}$ | 643,8 | 1,80116 |
| $n_{632,8}$ | 632,8 | 1,80203 |
| n_D | 589,3 | 1,80593 |
| n_d | 587,6 | 1,80610 |
| n_e | 546,1 | 1,81078 |
| n_F | 486,1 | 1,81994 |
| $n_{F'}$ | 480,0 | 1,82110 |
| n_g | 435,8 | 1,83112 |
| n_h | 404,7 | 1,84064 |
| n_i | 365,0 | 1,85739 |
| $n_{334,1}$ | 334,1 | 1,87632 |
| $n_{312,6}$ | 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 | 0,525 | 0,200 |
| 2325 | 0,776 | 0,530 |
| 1970 | 0,950 | 0,880 |
| 1530 | 0,992 | 0,981 |
| 1060 | 0,999 | 0,998 |
| 700 | 0,998 | 0,996 |
| 660 | 0,998 | 0,995 |
| 620 | 0,998 | 0,995 |
| 580 | 0,998 | 0,994 |
| 546 | 0,998 | 0,994 |
| 500 | 0,995 | 0,988 |
| 460 | 0,990 | 0,975 |
| 436 | 0,985 | 0,963 |
| 420 | 0,980 | 0,950 |
| 405 | 0,971 | 0,930 |
| 400 | 0,967 | 0,920 |
| 390 | 0,954 | 0,890 |
| 380 | 0,928 | 0,830 |
| 370 | 0,877 | 0,720 |
| 365 | 0,842 | 0,650 |
| 350 | 0,657 | 0,350 |
| 334 | 0,250 | 0,030 |
| 320 | 0,012 | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2459 |
| $P_{C,s}$ | 0,5049 |
| $P_{d,C}$ | 0,2976 |
| $P_{e,d}$ | 0,2376 |
| $P_{g,F}$ | 0,5671 |
| $P_{i,h}$ | 0,8502 |
| $P'_{s,t}$ | 0,2430 |
| $P'_{C',s}$ | 0,5453 |
| $P'_{d,C'}$ | 0,2478 |
| $P'_{e,d}$ | 0,2348 |
| $P'_{g,F'}$ | 0,5025 |
| $P'_{i,h}$ | 0,8403 |

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

| | |
|------------------|---------|
| $\Delta P_{C,t}$ | 0,0117 |
| $\Delta P_{C,s}$ | 0,0066 |
| $\Delta P_{F,e}$ | -0,0021 |
| $\Delta P_{g,F}$ | -0,0079 |
| $\Delta P_{i,g}$ | -0,0482 |

| Konstanten der Dispersionsformel | |
|-------------------------------------|--------------|
| B_1 | 1,85543101 |
| B_2 | 0,315854649 |
| B_3 | 1,28561839 |
| C_1 | 0,0100328203 |
| C_2 | 0,0387095168 |
| C_3 | 94,5421507 |

| Konstanten der Formel für dn/dT | |
|--------------------------------------|------------------------|
| D_0 | $7,87 \cdot 10^{-6}$ |
| D_1 | $1,09 \cdot 10^{-8}$ |
| D_2 | $-1,56 \cdot 10^{-11}$ |
| E_0 | $7,58 \cdot 10^{-7}$ |
| E_1 | $8,92 \cdot 10^{-10}$ |
| $\lambda_{TK} [\mu m]$ | 0,218 |

| Farbcode | |
|---------------------------------|-------|
| λ_{80}/λ_5 | 39/33 |
| (* = λ_{70}/λ_5) | |

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

| Sonstige Eigenschaften | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6}/K]$ | 6,0 |
| $\alpha_{+20/+300^\circ C} [10^{-6}/K]$ | 7,3 |
| $T_g [^\circ C]$ | 530 |
| $T_{10}^{13,0} [^\circ C]$ | 532 |
| $T_{10}^{7,6} [^\circ C]$ | 627 |
| $c_p [J/(g \cdot K)]$ | 0,550 |
| $\lambda [W/(m \cdot K)]$ | 0,850 |
| $AT [^\circ C]$ | 580 |
| $\rho [g/cm^3]$ | 4,54 |
| $E [10^3 N/mm^2]$ | 120 |
| μ | 0,298 |
| $K [10^{-6} mm^2/N]$ | 2,39 |
| $HK_{0,1/20}$ | 620 |
| HG | 2 |
| Abrasion Aa | 70 |
| CR | 1 |
| FR | 1 |
| SR | 51,4 |
| AR | 1 |
| PR | 2,2 |
| SR-J | 3 |
| 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 | 8,3 | 9,8 | 4,5 | 5,9 | 7,3 |
| +20/ +40 | 6,9 | 8,6 | 10,3 | 5,4 | 7,0 | 8,7 |
| +60/ +80 | 7,1 | 8,9 | 10,8 | 5,9 | 7,7 | 9,5 |