

P-LASF50
809405.454

| | | |
|-----------------|---------------|--------------------------|
| $n_d = 1,80860$ | $v_d = 40,46$ | $n_F - n_C = 0,019985$ |
| $n_e = 1,81335$ | $v_e = 40,22$ | $n_F' - n_C' = 0,020223$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,76261 |
| $n_{1970,1}$ | 1970,1 | 1,76975 |
| $n_{1529,6}$ | 1529,6 | 1,77759 |
| $n_{1060,0}$ | 1060,0 | 1,78657 |
| n_t | 1014,0 | 1,78770 |
| n_s | 852,1 | 1,79259 |
| n_r | 706,5 | 1,79934 |
| n_C | 656,3 | 1,80266 |
| $n_{C'}$ | 643,8 | 1,80359 |
| $n_{632,8}$ | 632,8 | 1,80447 |
| n_D | 589,3 | 1,80842 |
| n_d | 587,6 | 1,80860 |
| n_e | 546,1 | 1,81335 |
| n_F | 486,1 | 1,82264 |
| $n_{F'}$ | 480,0 | 1,82382 |
| n_g | 435,8 | 1,83399 |
| n_h | 404,7 | 1,84367 |
| 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 | |

| Konstanten der Dispersionsformel | |
|----------------------------------|---------------|
| B_1 | 1,84910553 |
| B_2 | 0,329828674 |
| B_3 | 1,304009010 |
| C_1 | 0,00999234757 |
| C_2 | 0,0387437988 |
| C_3 | 95,8967681 |

| Konstanten der Formel für dn/dT | |
|---------------------------------|-----------|
| D_0 | 8,04E-06 |
| D_1 | 1,20E-08 |
| D_2 | -2,19E-11 |
| E_0 | 8,20E-07 |
| E_1 | 9,08E-10 |
| λ_{TK} [μ m] | 0,209 |

| Temperaturkoeffizienten der Lichtbrechung | | | | | | |
|-------------------------------------------|-------------------------------------------|-----|------|-------------------------------------------|-----|-----|
| [°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 | 6,9 | 8,5 | 10,0 | 4,5 | 6,0 | 7,5 |
| +20/+40 | 7,1 | 8,9 | 10,6 | 5,5 | 7,3 | 9,0 |
| +60/+80 | 7,3 | 9,2 | 11,1 | 6,1 | 8,0 | 9,9 |

| Reintransmissionsgrad τ_i | | |
|--------------------------------|-----------------|-----------------|
| λ [nm] | τ_i [10mm] | τ_i [25mm] |
| 2500 | 0,530 | 0,200 |
| 2325 | 0,780 | 0,530 |
| 1970 | 0,950 | 0,880 |
| 1530 | 0,992 | 0,981 |
| 1060 | 0,999 | 0,998 |
| 700 | 0,998 | 0,995 |
| 660 | 0,997 | 0,993 |
| 620 | 0,997 | 0,992 |
| 580 | 0,997 | 0,992 |
| 546 | 0,997 | 0,992 |
| 500 | 0,995 | 0,987 |
| 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 | 0,930 | 0,830 |
| 370 | 0,880 | 0,720 |
| 365 | 0,840 | 0,650 |
| 350 | 0,660 | 0,350 |
| 334 | 0,290 | 0,030 |
| 320 | 0,030 | |
| 310 | 0,000 | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Farbcode | |
|------------------------------|-------|
| $\lambda_{80} / \lambda_{5}$ | 39/32 |

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

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2448 |
| $P_{C,s}$ | 0,5037 |
| $P_{d,C}$ | 0,2973 |
| $P_{e,d}$ | 0,2376 |
| $P_{g,F}$ | 0,5680 |
| $P_{i,h}$ | |
| $P'_{s,t}$ | 0,2419 |
| $P'_{C,s}$ | 0,5441 |
| $P'_{d,C'}$ | 0,2475 |
| $P'_{e,d}$ | 0,2348 |
| $P'_{g,F'}$ | 0,5032 |
| $P'_{i,h}$ | |

| Abweichung relativer Teildispersionen ΔP von der "Normalgeraden" | |
|-----------------------------------------------------------------------------|---------|
| $\Delta P_{C,t}$ | 0,0116 |
| $\Delta P_{C,s}$ | 0,0065 |
| $\Delta P_{F,e}$ | -0,0020 |
| $\Delta P_{g,F}$ | -0,0078 |
| $\Delta P_{i,g}$ | |

| Sonstige Eigenschaften | |
|---------------------------------------------|-------|
| $\alpha_{-30/+70^\circ C}$ [$10^{-6}/K$] | 5,9 |
| $\alpha_{+20/+300^\circ C}$ [$10^{-6}/K$] | 7,3 |
| T_g [°C] | 527 |
| T_{10}^{-13} [°C] | 526 |
| $T_{10}^{7,6}$ [°C] | 660 |
| c_p [J/(g·K)] | 0,560 |
| λ [W/(m·K)] | 0,950 |
| AT [°C] | 571 |
| ρ [g/cm ³] | 4,54 |
| E [10^3 N/mm ²] | 119 |
| μ | 0,298 |
| K [10^{-6} mm ² /N] | 2,41 |
| $HK_{0,1/20}$ | 655 |
| Abrasion Aa | 62 |
| CR | |
| FR | |
| SR | |
| AR | |
| PR | |
| SR-J | 3 |
| WR-J | 1 |