

## N-LAF34 773496.424

|                 |               |                        |
|-----------------|---------------|------------------------|
| $n_d = 1,77250$ | $v_d = 49,62$ | $n_F - n_C = 0,015568$ |
| $n_e = 1,77621$ | $v_e = 49,38$ | $n_F - n_C = 0,015719$ |

| Brechzahlen  |                |         |
|--------------|----------------|---------|
|              | $\lambda$ [nm] |         |
| $n_{2325,4}$ | 2325,4         | 1,73085 |
| $n_{1970,1}$ | 1970,1         | 1,73824 |
| $n_{1529,6}$ | 1529,6         | 1,74610 |
| $n_{1060,0}$ | 1060,0         | 1,75447 |
| $n_t$        | 1014,0         | 1,75546 |
| $n_s$        | 852,1          | 1,75962 |
| $n_r$        | 706,5          | 1,76515 |
| $n_C$        | 656,3          | 1,76780 |
| $n_{C'}$     | 643,8          | 1,76855 |
| $n_{632,8}$  | 632,8          | 1,76924 |
| $n_D$        | 589,3          | 1,77236 |
| $n_d$        | 587,6          | 1,77250 |
| $n_e$        | 546,1          | 1,77621 |
| $n_F$        | 486,1          | 1,78337 |
| $n_{F'}$     | 480,0          | 1,78427 |
| $n_g$        | 435,8          | 1,79196 |
| $n_h$        | 404,7          | 1,79915 |
| $n_i$        | 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 $\tau_i$ |                 |                 |
|--------------------------------|-----------------|-----------------|
| $\lambda$ [nm]                 | $\tau_i$ [10mm] | $\tau_i$ [25mm] |
| 2500                           | 0,450           | 0,140           |
| 2325                           | 0,730           | 0,450           |
| 1970                           | 0,950           | 0,870           |
| 1530                           | 0,989           | 0,973           |
| 1060                           | 0,999           | 0,998           |
| 700                            | 0,998           | 0,996           |
| 660                            | 0,998           | 0,996           |
| 620                            | 0,998           | 0,995           |
| 580                            | 0,998           | 0,995           |
| 546                            | 0,998           | 0,996           |
| 500                            | 0,997           | 0,993           |
| 460                            | 0,994           | 0,986           |
| 436                            | 0,991           | 0,978           |
| 420                            | 0,988           | 0,971           |
| 405                            | 0,983           | 0,958           |
| 400                            | 0,980           | 0,950           |
| 390                            | 0,971           | 0,930           |
| 380                            | 0,955           | 0,890           |
| 370                            | 0,930           | 0,830           |
| 365                            | 0,910           | 0,790           |
| 350                            | 0,820           | 0,600           |
| 334                            | 0,640           | 0,330           |
| 320                            | 0,420           | 0,120           |
| 310                            | 0,240           | 0,030           |
| 300                            | 0,070           | 0,000           |
| 290                            | 0,000           |                 |
| 280                            |                 |                 |
| 270                            |                 |                 |
| 260                            |                 |                 |
| 250                            |                 |                 |

| Relative Teildispersionen |        |
|---------------------------|--------|
| $P_{s,t}$                 | 0,2674 |
| $P_{C,s}$                 | 0,5256 |
| $P_{d,C}$                 | 0,3018 |
| $P_{e,d}$                 | 0,2382 |
| $P_{g,F}$                 | 0,5518 |
| $P_{i,h}$                 |        |
| $P'_{s,t}$                | 0,2648 |
| $P'_{C,s}$                | 0,5679 |
| $P'_{d,C'}$               | 0,2515 |
| $P'_{e,d}$                | 0,2359 |
| $P'_{g,F'}$               | 0,4895 |
| $P'_{i,h}$                |        |

| Konstanten der Dispersionsformel |               |
|----------------------------------|---------------|
| $B_1$                            | 1,75836958    |
| $B_2$                            | 0,313537785   |
| $B_3$                            | 1,189252310   |
| $C_1$                            | 0,00872810026 |
| $C_2$                            | 0,0293020832  |
| $C_3$                            | 85,1780644    |

| Abweichung relativer Teildispersionen<br>$\Delta P$ von der "Normalgeraden" |         |
|---|---------|
| $\Delta P_{C,t}$  | 0,0126  |
| $\Delta P_{C,s}$  | 0,0070  |
| $\Delta P_{F,e}$  | -0,0023 |
| $\Delta P_{g,F}$  | -0,0085 |
| $\Delta P_{i,g}$  |         |

| Konstanten der Formel für $dn/dT$ |           |
|-----------------------------------|-----------|
| $D_0$                             | 3,89E-06  |
| $D_1$                             | 1,02E-08  |
| $D_2$                             | -1,91E-11 |
| $E_0$                             | 5,88E-07  |
| $E_1$                             | 7,57E-10  |
| $\lambda_{TK}$ [ $\mu m$ ]        | 0,181     |

| Farbcode                   |       |
|----------------------------|-------|
| $\lambda_{80} / \lambda_5$ | 38/30 |

| Bemerkungen                    |  |
|--------------------------------|--|
| (*= $\lambda_{70}/\lambda_5$ ) |  |

| Sonstige Eigenschaften                      |       |
|---|-------|
| $\alpha_{-30/+70^\circ C}$ [ $10^{-6}/K$ ]  | 5,8   |
| $\alpha_{+20/+300^\circ C}$ [ $10^{-6}/K$ ] | 7,0   |
| $T_g$ [ $^\circ C$ ]                        | 668   |
| $T_{10}^{-13}$ [ $^\circ C$ ]               | 659   |
| $T_{10}^{-7,6}$ [ $^\circ C$ ]              | 745   |
| $c_p$ [J/(g·K)]                             | 0,560 |
| $\lambda$ [W/(m·K)]                         | 0,800 |
| $\rho$ [g/cm <sup>3</sup> ]                 | 4,24  |
| $E$ [ $10^3$ N/mm <sup>2</sup> ]            | 123   |
| $\mu$                                       | 0,292 |
| $K$ [ $10^{-6}$ mm <sup>2</sup> /N]         | 1,44  |
| $HK_{0,1/20}$                               | 770   |
| HG  | 2     |
| $CR$  | 1     |
| $FR$  | 1     |
| $SR$  | 51,3  |
| $AR$  | 1     |
| $PR$  | 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                                   | 4,2                                       | 5,2 | 6,2 | 1,9                                       | 2,8 | 3,7 |
| +20/+40                                   | 4,3                                       | 5,4 | 6,5 | 2,7                                       | 3,9 | 4,9 |
| +60/+80                                   | 4,4                                       | 5,6 | 6,8 | 3,2                                       | 4,4 | 5,5 |