

## 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  |                |         |
|--------------|----------------|---------|
|              | $\lambda$ [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 $\tau_i$ |                 |                 |
|--------------------------------|-----------------|-----------------|
| $\lambda$ [nm]                 | $\tau_i$ [10mm] | $\tau_i$ [25mm] |
| 2500                           | 0,560           | 0,230           |
| 2325                           | 0,790           | 0,550           |
| 1970                           | 0,954           | 0,890           |
| 1530                           | 0,991           | 0,977           |
| 1060                           | 0,998           | 0,996           |
| 700                            | 0,996           | 0,989           |
| 660                            | 0,993           | 0,983           |
| 620                            | 0,992           | 0,980           |
| 580                            | 0,991           | 0,978           |
| 546                            | 0,989           | 0,972           |
| 500                            | 0,977           | 0,940           |
| 460                            | 0,954           | 0,890           |
| 436                            | 0,930           | 0,840           |
| 420                            | 0,900           | 0,770           |
| 405                            | 0,850           | 0,660           |
| 400                            | 0,820           | 0,600           |
| 390                            | 0,710           | 0,420           |
| 380                            | 0,500           | 0,180           |
| 370                            | 0,180           | 0,010           |
| 365                            | 0,050           | 0,000           |
| 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 |
| $P'_{i,h}$                |        |

| Konstanten der Dispersionsformel |               |
|----------------------------------|---------------|
| $B_1$                            | 2,17988922    |
| $B_2$                            | 0,306495184   |
| $B_3$                            | 1,568824370   |
| $C_1$                            | 0,01258053840 |
| $C_2$                            | 0,0567191367  |
| $C_3$                            | 105,3165380   |

| Farbcode                   |        |
|----------------------------|--------|
| $\lambda_{80} / \lambda_5$ | 41/37* |

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

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

| Konstanten der Formel für $dn/dT$ |           |
|-----------------------------------|-----------|
| $D_0$                             | 5,98E-06  |
| $D_1$                             | 1,30E-08  |
| $D_2$                             | -3,50E-12 |
| $E_0$                             | 9,13E-07  |
| $E_1$                             | 1,24E-09  |
| $\lambda_{TK}$ [ $\mu\text{m}$ ]  | 0,267     |

| Abweichung relativer Teildispersionen<br>$\Delta P$ 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 |
| $\Delta P_{i,g}$  |        |

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

| Temperaturkoeffizienten der Lichtbrechung |   |     |      |   |     |      |
|---|---|-----|------|---|-----|------|
| [ $^\circ\text{C}$ ]                      | $\Delta n_{\text{rel}}/\Delta T$ [ $10^{-6}/\text{K}$ ] |     |      | $\Delta n_{\text{abs}}/\Delta T$ [ $10^{-6}/\text{K}$ ] |     |      |
|   | 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 |