

SF1  
717295.446

|                 |               |                          |
|-----------------|---------------|--------------------------|
| $n_d = 1,71736$ | $v_d = 29,51$ | $n_F - n_C = 0,024307$   |
| $n_e = 1,72310$ | $v_e = 29,29$ | $n_F' - n_C' = 0,024687$ |

| Brechzahlen  |                |         |
|--------------|----------------|---------|
|              | $\lambda$ [nm] |         |
| $n_{2325,4}$ | 2325,4         | 1,67352 |
| $n_{1970,1}$ | 1970,1         | 1,67855 |
| $n_{1529,6}$ | 1529,6         | 1,68449 |
| $n_{1060,0}$ | 1060,0         | 1,69258 |
| $n_t$        | 1014,0         | 1,69371 |
| $n_s$        | 852,1          | 1,69888 |
| $n_r$        | 706,5          | 1,70647 |
| $n_C$        | 656,3          | 1,71031 |
| $n_{C'}$     | 643,8          | 1,71141 |
| $n_{632,8}$  | 632,8          | 1,71245 |
| $n_D$        | 589,3          | 1,71715 |
| $n_d$        | 587,6          | 1,71736 |
| $n_e$        | 546,1          | 1,72310 |
| $n_F$        | 486,1          | 1,73462 |
| $n_{F'}$     | 480,0          | 1,73610 |
| $n_g$        | 435,8          | 1,74916 |
| $n_h$        | 404,7          | 1,76201 |
| $n_i$        | 365,0          | 1,78580 |
| $n_{334,1}$  | 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 |               |
|----------------------------------|---------------|
| $B_1$                            | 1,55912923    |
| $B_2$                            | 0,284246288   |
| $B_3$                            | 0,968842926   |
| $C_1$                            | 0,01214810010 |
| $C_2$                            | 0,0534549042  |
| $C_3$                            | 112,1748090   |

| Konstanten der Formel für dn/dT |           |
|---------------------------------|-----------|
| $D_0$                           | 4,84E-06  |
| $D_1$                           | 1,70E-08  |
| $D_2$                           | -4,52E-11 |
| $E_0$                           | 1,38E-06  |
| $E_1$                           | 1,26E-09  |
| $\lambda_{TK}$ [µm]             | 0,259     |

| 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                                   | 4,5                                       | 7,0 | 10,1 | 2,2                                       | 4,7 | 7,7  |
| +20/+40                                   | 5,0                                       | 7,9 | 11,3 | 3,6                                       | 6,4 | 9,8  |
| +60/+80                                   | 5,3                                       | 8,4 | 12,1 | 4,2                                       | 7,3 | 10,9 |

| Reintransmissionsgrad $\tau_i$ |                 |                 |
|--------------------------------|-----------------|-----------------|
| $\lambda$ [nm]                 | $\tau_i$ [10mm] | $\tau_i$ [25mm] |
| 2500                           | 0,840           | 0,650           |
| 2325                           | 0,880           | 0,730           |
| 1970                           | 0,959           | 0,900           |
| 1530                           | 0,994           | 0,985           |
| 1060                           | 0,998           | 0,996           |
| 700                            | 0,998           | 0,996           |
| 660                            | 0,998           | 0,995           |
| 620                            | 0,998           | 0,995           |
| 580                            | 0,998           | 0,996           |
| 546                            | 0,998           | 0,996           |
| 500                            | 0,997           | 0,993           |
| 460                            | 0,994           | 0,984           |
| 436                            | 0,990           | 0,976           |
| 420                            | 0,984           | 0,961           |
| 405                            | 0,971           | 0,930           |
| 400                            | 0,967           | 0,920           |
| 390                            | 0,950           | 0,870           |
| 380                            | 0,910           | 0,790           |
| 370                            | 0,840           | 0,640           |
| 365                            | 0,760           | 0,500           |
| 350                            | 0,300           | 0,030           |
| 334                            |                 |                 |
| 320                            |                 |                 |
| 310                            |                 |                 |
| 300                            |                 |                 |
| 290                            |                 |                 |
| 280                            |                 |                 |
| 270                            |                 |                 |
| 260                            |                 |                 |
| 250                            |                 |                 |

| Farbcode                     |       |
|------------------------------|-------|
| $\lambda_{80} / \lambda_{5}$ | 39/34 |

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

| Relative Teildispersionen |        |
|---------------------------|--------|
| $P_{s,t}$                 | 0,2127 |
| $P_{C,s}$                 | 0,4705 |
| $P_{d,C}$                 | 0,2899 |
| $P_{e,d}$                 | 0,2364 |
| $P_{g,F}$                 | 0,5983 |
| $P_{i,h}$                 | 0,9791 |
| $P'_{s,t}$                | 0,2094 |
| $P'_{C,s}$                | 0,5078 |
| $P'_{d,C'}$               | 0,2409 |
| $P'_{e,d}$                | 0,2327 |
| $P'_{g,F'}$               | 0,5292 |
| $P'_{i,h}$                | 0,9640 |

| Abweichung relativer Teildispersionen<br>$\Delta P$ von der "Normalgeraden" |         |
|---|---------|
| $\Delta P_{C,t}$  | -0,0018 |
| $\Delta P_{C,s}$  | -0,0012 |
| $\Delta P_{F,e}$  | 0,0009  |
| $\Delta P_{g,F}$  | 0,0042  |
| $\Delta P_{i,g}$  | 0,0307  |

| Sonstige Eigenschaften                      |       |
|---|-------|
| $\alpha_{-30/+70^\circ C}$ [ $10^{-6}/K$ ]  | 8,1   |
| $\alpha_{+20/+300^\circ C}$ [ $10^{-6}/K$ ] | 8,8   |
| $T_g$ [°C]                                  | 417   |
| $T_{10}^{13}$ [°C]                          | 415   |
| $T_{10}^{7,6}$ [°C]                         | 566   |
| $c_p$ [J/(g·K)]                             | 0,430 |
| $\lambda$ [W/(m·K)]                         | 0,660 |
| $\rho$ [g/cm <sup>3</sup> ]                 | 4,46  |
| $E$ [ $10^3$ N/mm <sup>2</sup> ]            | 56    |
| $\mu$                                       | 0,232 |
| $K$ [ $10^{-6}$ mm <sup>2</sup> /N]         | 1,80  |
| $HK_{0,1/20}$                               | 390   |
| HG  | 1     |
| CR  | 2     |
| FR  | 1     |
| SR  | 3,2   |
| AR  | 2,3   |
| PR  | 3     |