

SF6HT 805254.518

| | | |
|-----------------|---------------|------------------------------|
| $n_d = 1,80518$ | $v_d = 25,43$ | $n_F - n_C = 0,031660$ |
| $n_e = 1,81265$ | $v_e = 25,24$ | $n_{F'} - n_{C'} = 0,032201$ |

| Brechzahlen | | |
|--------------|----------------|---------|
| | λ [nm] | |
| $n_{2325,4}$ | 2325,4 | 1,75302 |
| $n_{1970,1}$ | 1970,1 | 1,75813 |
| $n_{1529,6}$ | 1529,6 | 1,76444 |
| $n_{1060,0}$ | 1060,0 | 1,77380 |
| n_t | 1014,0 | 1,77517 |
| n_s | 852,1 | 1,78157 |
| n_r | 706,5 | 1,79117 |
| n_C | 656,3 | 1,79609 |
| $n_{C'}$ | 643,8 | 1,79750 |
| $n_{632,8}$ | 632,8 | 1,79884 |
| n_D | 589,3 | 1,80491 |
| n_d | 587,6 | 1,80518 |
| n_e | 546,1 | 1,81265 |
| n_F | 486,1 | 1,82775 |
| $n_{F'}$ | 480,0 | 1,82970 |
| n_g | 435,8 | 1,84707 |
| n_h | 404,7 | 1,86436 |
| n_i | 365,0 | 1,89703 |
| $n_{334,1}$ | 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 | 1,72448482 |
| B_2 | 0,390104889 |
| B_3 | 1,04572858 |
| C_1 | 0,0134871947 |
| C_2 | 0,0569318095 |
| C_3 | 118,557185 |

| Konstanten der Formel für dn/dT | |
|-----------------------------------|------------------------|
| D_0 | $6,69 \cdot 10^{-6}$ |
| D_1 | $1,78 \cdot 10^{-8}$ |
| D_2 | $-3,36 \cdot 10^{-11}$ |
| E_0 | $1,77 \cdot 10^{-6}$ |
| E_1 | $1,70 \cdot 10^{-9}$ |
| $\lambda_{TK} [\mu m]$ | 0,269 |

| Temperaturkoeffizienten der Lichtbrechung | | | | | | |
|---|---|------|------|---|------|------|
| | $\Delta n_{rel} / \Delta T [10^{-6} / K]$ | | | $\Delta n_{abs} / \Delta T [10^{-6} / K]$ | | |
| [°C] | 1060,0 | e | g | 1060,0 | e | g |
| -40/ -20 | 6,1 | 9,9 | 14,5 | 3,7 | 7,4 | 11,9 |
| +20/ +40 | 6,8 | 11,1 | 16,2 | 5,3 | 9,5 | 14,6 |
| +60/ +80 | 7,3 | 11,8 | 17,4 | 6,1 | 10,6 | 16,1 |

| Reintransmissionsgrad τ_i | | |
|--------------------------------|-----------------|-----------------|
| λ [nm] | τ_i (10mm) | τ_i (25mm) |
| 2500 | 0,887 | 0,740 |
| 2325 | 0,910 | 0,790 |
| 1970 | 0,971 | 0,930 |
| 1530 | 0,996 | 0,991 |
| 1060 | 0,999 | 0,999 |
| 700 | 0,999 | 0,996 |
| 660 | 0,998 | 0,996 |
| 620 | 0,998 | 0,995 |
| 580 | 0,999 | 0,996 |
| 546 | 0,998 | 0,996 |
| 500 | 0,996 | 0,991 |
| 460 | 0,992 | 0,981 |
| 436 | 0,987 | 0,967 |
| 420 | 0,977 | 0,943 |
| 405 | 0,954 | 0,890 |
| 400 | 0,941 | 0,860 |
| 390 | 0,891 | 0,750 |
| 380 | 0,770 | 0,520 |
| 370 | 0,504 | 0,180 |
| 365 | 0,302 | 0,050 |
| 350 | | |
| 334 | | |
| 320 | | |
| 310 | | |
| 300 | | |
| 290 | | |
| 280 | | |
| 270 | | |
| 260 | | |
| 250 | | |

| Farbcode | |
|----------------------------------|-------|
| λ_{80} / λ_5 | 41/36 |
| (*= λ_{70} / λ_5) | |

| Bemerkungen |
|-----------------------|
| bleihaltig glass type |

| Relative Teildispersionen | |
|---------------------------|--------|
| $P_{s,t}$ | 0,2020 |
| $P_{C,s}$ | 0,4588 |
| $P_{d,C}$ | 0,2871 |
| $P_{e,d}$ | 0,2359 |
| $P_{g,F}$ | 0,6102 |
| $P_{i,h}$ | 1,0316 |
| $P'_{s,t}$ | 0,1986 |
| $P'_{C,s}$ | 0,4950 |
| $P'_{d,C'}$ | 0,2384 |
| $P'_{e,d}$ | 0,2319 |
| $P'_{g,F'}$ | 0,5393 |
| $P'_{i,h}$ | 1,0143 |

| Abweichungen rel. Teildispersionen ΔP von der "Normalgeraden" | |
|---|---------|
| $\Delta P_{C,t}$ | -0,0048 |
| $\Delta P_{C,s}$ | -0,0033 |
| $\Delta P_{F,e}$ | 0,0020 |
| $\Delta P_{g,F}$ | 0,0092 |
| $\Delta P_{i,g}$ | 0,0669 |

| Sonstige Eigenschaften | |
|---|-------|
| $\alpha_{-30/+70^\circ C} [10^{-6} / K]$ | 8,1 |
| $\alpha_{+20/+300^\circ C} [10^{-6} / K]$ | 9,0 |
| $T_g [^\circ C]$ | 423 |
| $T_{10}^{13,0} [^\circ C]$ | 410 |
| $T_{10}^{7,6} [^\circ C]$ | 538 |
| $c_p [J/(g \cdot K)]$ | 0,389 |
| $\lambda [W/(m \cdot K)]$ | 0,673 |
| $\rho [g/cm^3]$ | 5,18 |
| $E [10^3 N/mm^2]$ | 55 |
| μ | 0,244 |
| $K [10^{-6} mm^2/N]$ | 0,65 |
| $HK_{0,1/20}$ | 370 |
| HG | 1 |
| CR | 2 |
| FR | 3 |
| SR | 51.3 |
| AR | 2.3 |
| PR | 3.3 |