

| | | | | |
|------------------|---------------|---------------|---------------|------------------------------|
| H-ZLaF50B | 804466 | $n_d=1.80400$ | $v_d = 46.58$ | $n_F - n_C = 0.017262$ |
| | | $n_e=1.80811$ | $v_e = 46.33$ | $n_{F'} - n_{C'} = 0.017443$ |

| 折射率 Refractive Indices | | | 相对部分色散 Relative Partial Dispersions | | | | 内透射比 Internal Transmittance | | |
|--|--------------------------------------|---------|---------------------------------------|--------|-------------|--------|-----------------------------|-------------|--------------|
| | λ (nm) | | $P_{d,c}$ | 0.3003 | $P'_{d,c'}$ | 0.2501 | λ (nm) | τ 5 mm | τ 10 mm |
| n_t | 1014.0 | 1.78537 | $P_{e,d}$ | 0.2380 | $P'_{e,d}$ | 0.2356 | 2400 | 0.84 | 0.70 |
| n_r | 706.5 | 1.79586 | $P_{g,F}$ | 0.5550 | $P'_{g,F'}$ | 0.4912 | 2200 | 0.962 | 0.926 |
| n_c | 656.3 | 1.79882 | | | | | 2000 | 0.987 | 0.974 |
| $n_{c'}$ | 643.8 | 1.79964 | 化学稳定性 Chemical Properties | | | | 1800 | 0.998 | 0.997 |
| n_{He-Ne} | 632.8 | 1.80041 | | | Grade | | 1600 | 0.999 | 0.998 |
| n_D | 589.3 | 1.80385 | RC(S) | | 1 | | 1400 | 0.999 | 0.998 |
| n_d | 587.6 | 1.80400 | RA(S) | | 3 | | 1200 | 0.999 | 0.998 |
| n_e | 546.1 | 1.80811 | D_W | | 1 | | 1060 | 0.999 | 0.998 |
| n_F | 486.1 | 1.81608 | D_A | | 2 | | 1000 | 0.999 | 0.998 |
| $n_{F'}$ | 480.0 | 1.81708 | | | | | 950 | 0.999 | 0.998 |
| n_g | 435.8 | 1.82566 | 热性质 Thermal Properties | | | | 900 | 0.999 | 0.998 |
| n_h | 404.7 | 1.83374 | T_g (°C) | | 668 | | 850 | 0.998 | 0.997 |
| n_i | 365.0 | 1.84779 | T_s (°C) | | 707 | | 800 | 0.997 | 0.995 |
| | | | $T_{10}^{14.5}$ (°C) | | 625 | | 700 | 0.997 | 0.994 |
| | | | T_{10}^{13} (°C) | | 658 | | 650 | 0.996 | 0.992 |
| | | | $T_{10}^{7.6}$ (°C) | | 755 | | 600 | 0.996 | 0.992 |
| | | | $\alpha_{20/120^\circ C}(10^{-7}/K)$ | | 63 | | 550 | 0.995 | 0.990 |
| | | | $\alpha_{100/300^\circ C}(10^{-7}/K)$ | | 77 | | 500 | 0.993 | 0.986 |
| | | | λ (W/m·K) | | | | 480 | 0.991 | 0.982 |
| | | | | | | | 460 | 0.988 | 0.976 |
| 色散公式的系数 | | | 机械性质 Mechanical Properties | | | | 440 | 0.984 | 0.969 |
| Constants of Dispersion Formula | | | H_K (10^7 Pa) | | 820 | | 420 | 0.978 | 0.956 |
| A_0 | 3.1695924 | | F_A | | | | 400 | 0.961 | 0.923 |
| A_1 | $-1.1672920 \times 10^{-2}$ | | E (10^7 Pa) | | 12586 | | 390 | 0.942 | 0.888 |
| A_2 | 3.1182156×10^{-2} | | G (10^7 Pa) | | 4870 | | 380 | 0.912 | 0.831 |
| A_3 | $-5.2019114 \times 10^{-4}$ | | μ | | 0.292 | | 370 | 0.86 | 0.74 |
| A_4 | 1.3482150×10^{-4} | | B (10^{-12} /Pa) | | | | 360 | 0.78 | 0.61 |
| A_5 | $-4.8744323 \times 10^{-6}$ | | | | | | 350 | 0.68 | 0.46 |
| | | | 其他性质 Other Properties | | | | 340 | 0.54 | 0.29 |
| | | | ρ (g/cm ³) | | 4.72 | | 330 | 0.37 | 0.14 |
| | | | | | | | 320 | 0.20 | 0.04 |
| | | | | | | | 310 | | |
| | | | | | | | 300 | | |
| | | | | | | | 290 | | |
| | | | | | | | 280 | | |
| | | | | | | | 着色度 Color Code | | |
| | | | | | | | λ_{80}/λ_5 | 40/32 | |
| | | | | | | | | | |
| 折射率温度系数 Temperature Coefficient of Refractive Index | | | | | | | | | |
| 温度范围(°C) Temperature Range | dn/dt rel(10⁻⁶/°C) | | | | | | | | |
| | t | C' | d | e | F' | g | | | |
| -40~-20 | 2.9 | 2.9 | 4.0 | 4.5 | 5.3 | 5.6 | | | |
| -20~0 | 2.8 | 3.1 | 3.9 | 4.7 | 5.1 | 5.4 | | | |
| 0~20 | 4.0 | 4.4 | 4.5 | 4.7 | 4.9 | 5.3 | | | |
| 20~40 | 3.9 | 4.5 | 4.6 | 4.5 | 4.8 | 5.7 | | | |
| 40~60 | 3.2 | 3.6 | 3.8 | 4.0 | 4.5 | 5.3 | | | |
| 60~80 | 3.6 | 4.5 | 4.6 | 4.7 | 5.1 | 6.4 | | | |