

| H-QF50A | | | 581408 | | | n _d = 1.581440 | | v _d = 40.75 | | n _F - n _C = 0.014270 | |
|--|----------------|----------|--|---------|--------------------|---------------------------|--------------------------------------|------------------------|------------------------|--|-------|
| | | | | | | n _e = 1.584823 | | v _e = 40.47 | | n _{F'} - n _{C'} = 0.014452 | |
| 折射率 Refractive Index | | | 相对部分色散 Relative Partial Dispersions | | | | 内部透射率 Internal Transmittance T | | | | |
| | λ (nm) | | P _{s,t} | 0.2467 | P' _{s,t} | 0.2436 | λ (nm) | τ (5mm) | τ (10mm) | | |
| n _{2325.42} | 2325.42 | 1.547565 | P _{C,s} | 0.5018 | P' _{C',s} | 0.5414 | 2400 | 0.910 | 0.828 | | |
| n _{1970.09} | 1970.09 | 1.553052 | P _{d,C} | 0.2959 | P' _{d,C'} | 0.2461 | 2200 | 0.928 | 0.861 | | |
| n _{1529.58} | 1529.58 | 1.559037 | P _{e,d} | 0.2371 | P' _{e,d} | 0.2341 | 2000 | 0.968 | 0.937 | | |
| n _{1060.0} | 1060.0 | 1.565721 | P _{g,F} | 0.5777 | P' _{g,F'} | 0.5118 | 1800 | 0.984 | 0.969 | | |
| n _t | 1013.98 | 1.566538 | P _{i,h} | 0.9074 | P' _{i,h} | 0.8959 | 1600 | 0.995 | 0.991 | | |
| n _s | 852.11 | 1.570058 | 异常色散 Abnormal Dispersions | | | | 1400 | 0.997 | 0.994 | | |
| n _r | 706.52 | 1.574866 | | | | | ΔP _{C,t} | 0.0102 | ΔP _{C,s} | 0.0037 | 1200 |
| n _C | 656.27 | 1.577218 | ΔP _{F,e} | -0.0003 | ΔP _{g,F} | 0.0014 | 1060 | 0.999 | 0.998 | | |
| n _{C'} | 643.85 | 1.577883 | 着色度 Color Code | | | | 1000 | 0.999 | 0.998 | | |
| n _{He-Ne} | 632.8 | 1.578507 | | | | | λ ₈₀ /λ ₅ | 380/350 | | 950 | 0.999 |
| n _D | 589.29 | 1.581315 | λ ₇₀ /λ ₅ | | | 900 | 0.999 | 0.998 | | | |
| n _d | 587.56 | 1.581440 | 热性质 Thermal Properties | | | | 850 | 0.999 | 0.998 | | |
| n _e | 546.07 | 1.584823 | | | | | T _g (°C) | 545 | | 800 | 0.998 |
| n _F | 486.13 | 1.591488 | T _s (°C) | 595 | | 700 | 0.998 | 0.997 | | | |
| n _{F'} | 479.99 | 1.592335 | T ₁₀ ^{14.5} (°C) | 494 | | 650 | 0.998 | 0.997 | | | |
| n _g | 435.83 | 1.599732 | T ₁₀ ¹³ (°C) | 530 | | 600 | 0.998 | 0.997 | | | |
| n _h | 404.66 | 1.606877 | T ₁₀ ^{7.6} (°C) | 681 | | 550 | 0.998 | 0.997 | | | |
| n _i | 365.01 | 1.619825 | α _{30/70} (10 ⁻⁷ /K) | 85 | | 500 | 0.998 | 0.996 | | | |
| n _{313.18} | 313.18 | | α _{100/300} (10 ⁻⁷ /K) | 104 | | 480 | 0.997 | 0.994 | | | |
| n _{302.15} | 302.15 | | λ[W/(m·K)] | | | 460 | 0.996 | 0.993 | | | |
| 色散公式常数 Constants of Dispersion Formula | | | 化学性质 Chemical Properties | | | | 440 | 0.995 | 0.990 | | |
| | | | | | | | K ₁ | 1.13568363E-01 | | Grade | 420 |
| L ₁ | 5.29496322E-02 | | D _w | 2 | | 400 | 0.983 | 0.966 | | | |
| K ₂ | 1.07619407E+00 | | D _A | 1 | | 390 | 0.968 | 0.937 | | | |
| L ₂ | 1.14277366E+02 | | CR | 1 | | 380 | 0.933 | 0.870 | | | |
| K ₃ | 1.33131033E+00 | | RC(S) | 3 | | 370 | 0.844 | 0.713 | | | |
| L ₃ | 9.76687365E-03 | | RA(S) | 1 | | 360 | 0.615 | 0.378 | | | |
| 折射率温度系数常数 Constants of dn/dt | | | 机械性质 Mechanical Properties | | | | 350 | 0.202 | 0.041 | | |
| | | | | | | | D ₀ | -1.15E-06 | | H _k (10 ⁷ Pa) | 492 |
| D ₁ | 1.62E-08 | | D _A | 1 | | 330 | | | | | |
| D ₂ | -5.36E-11 | | CR | 1 | | 320 | | | | | |
| E ₀ | 7.72E-07 | | RC(S) | 3 | | 310 | | | | | |
| E ₁ | 8.65E-10 | | RA(S) | 1 | | 300 | | | | | |
| λ _{TK} (μm) | 0.235 | | 折射率温度系数 Temperature Coefficients of Refractive Index | | | | 290 | | | | |
| 温度范围 (°C) Range of Temperature | | | | | | | dn/dt relative(10 ⁻⁶ /°C) | | | | |
| | | | t | C' | d | e | F' | g | 其他性质 Other Properties | | |
| -60~-40 | | | | | | | | | ρ (g/cm ³) | | |
| -40~-20 | 1.0 | 1.6 | 1.8 | 2.1 | 2.6 | 3.2 | | | 2.61 | | |
| -20~0 | 1.1 | 1.7 | 2.0 | 2.2 | 2.7 | 3.4 | | | 备注 Remarks | | |
| 0~20 | 1.1 | 1.9 | 2.1 | 2.4 | 2.9 | 3.5 | | | | | |
| 20~40 | 1.3 | 2.1 | 2.3 | 2.5 | 3.2 | 3.9 | | | | | |
| 40~60 | 1.4 | 2.2 | 2.4 | 2.6 | 3.3 | 4.1 | | | | | |
| 60~80 | 1.5 | 2.2 | 2.5 | 2.7 | 3.4 | 4.2 | | | | | |
| 80~100 | | | | | | | | | | | |
| 100~120 | | | | | | | | | | | |
| 120~140 | | | | | | | | | | | |