

| H-LaF4GT                               |                |          | 750350   |        | n <sub>d</sub> = 1.749500 |        | v <sub>d</sub> = 34.99          |                | n <sub>F</sub> - n <sub>C</sub> = 0.021421   |                                     |                        |       |       |  |
|--|----------------|----------|--|--------|---------------------------|--------|---------------------------------|----------------|--|-------------------------------------|------------------------|-------|-------|--|
|  |                |          |  |        | n <sub>e</sub> = 1.754570 |        | v <sub>e</sub> = 34.72          |                | n <sub>F'</sub> - n <sub>C'</sub> = 0.021730 |                                     |                        |       |       |  |
| 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 <sub>s,t</sub>                                     | 0.2262 | P' <sub>s,t</sub>         | 0.2230 | λ (nm)                          | τ (5mm)        | τ (10mm)                                     |                                     |                        |       |       |  |
| n <sub>2325.42</sub>                   | 2325.42        | 1.706156 | P <sub>C,s</sub>                                     | 0.4835 | P' <sub>C',s</sub>        | 0.5217 | 2400                            | 0.915          | 0.838  |                                     |                        |       |       |  |
| n <sub>1970.09</sub>                   | 1970.09        | 1.712027 | P <sub>d,C</sub>                                     | 0.2925 | P' <sub>d,C'</sub>        | 0.2432 | 2200                            | 0.960          | 0.921  |                                     |                        |       |       |  |
| n <sub>1529.58</sub>                   | 1529.58        | 1.718696 | P <sub>e,d</sub>                                     | 0.2367 | P' <sub>e,d</sub>         | 0.2333 | 2000                            | 0.984          | 0.968  |                                     |                        |       |       |  |
| n <sub>1060.0</sub>                    | 1060.0         | 1.726945 | P <sub>g,F</sub>                                     | 0.5892 | P' <sub>g,F'</sub>        | 0.5215 | 1800                            | 0.991          | 0.982  |                                     |                        |       |       |  |
| n <sub>t</sub>                         | 1013.98        | 1.728033 | P <sub>i,h</sub>                                     | 0.9479 | P' <sub>i,h</sub>         | 0.9344 | 1600                            | 0.996          | 0.993  |                                     |                        |       |       |  |
| n <sub>s</sub>                         | 852.11         | 1.732879 | 异常色散 Abnormal Dispersions                            |        |                           |        | 1400                            | 0.997          | 0.995  |                                     |                        |       |       |  |
| n <sub>r</sub>                         | 706.52         | 1.739785 |  |        |                           |        | ΔP <sub>C,t</sub>               | -0.0014        | ΔP <sub>C,s</sub>                            | -0.0010                             | 1200                   | 0.999 | 0.998 |  |
| n <sub>C</sub>                         | 656.27         | 1.743235 | ΔP <sub>F,e</sub>                                    | 0.0004 | ΔP <sub>g,F</sub>         | 0.0031 | 1060                            | 0.999          | 0.998  |                                     |                        |       |       |  |
| n <sub>C'</sub>                        | 643.85         | 1.744216 | 着色度 Color Code                                       |        |                           |        | 1000                            | 0.999          | 0.998  |                                     |                        |       |       |  |
| n <sub>He-Ne</sub>                     | 632.8          | 1.745138 |  |        |                           |        | λ <sub>80</sub> /λ <sub>5</sub> | 400/355        |  | 950                                 | 0.999                  | 0.998 |       |  |
| n <sub>D</sub>                         | 589.29         | 1.749313 | λ <sub>70</sub> /λ <sub>5</sub>                      |        |                           | 900    | 0.999                           | 0.998          |  |                                     |                        |       |       |  |
| n <sub>d</sub>                         | 587.56         | 1.749500 | 热性质 Thermal Properties                               |        |                           |        | 850                             | 0.999          | 0.998  |                                     |                        |       |       |  |
| n <sub>e</sub>                         | 546.07         | 1.754570 |  |        |                           |        | T <sub>g</sub> (°C)             | 580            |  | 800                                 | 0.999                  | 0.998 |       |  |
| n <sub>F</sub>                         | 486.13         | 1.764656 | T <sub>s</sub> (°C)                                  | 630    |                           | 700    | 0.999                           | 0.998          |  |                                     |                        |       |       |  |
| n <sub>F'</sub>                        | 479.99         | 1.765946 | T <sub>10</sub> <sup>14.5</sup> (°C)                 | 535    |                           | 650    | 0.998                           | 0.997          |  |                                     |                        |       |       |  |
| n <sub>g</sub>                         | 435.83         | 1.777278 | T <sub>10</sub> <sup>13</sup> (°C)                   | 568    |                           | 600    | 0.998                           | 0.997          |  |                                     |                        |       |       |  |
| n <sub>h</sub>                         | 404.66         | 1.788334 | T <sub>10</sub> <sup>7.6</sup> (°C)                  | 704    |                           | 550    | 0.998                           | 0.996          |  |                                     |                        |       |       |  |
| n <sub>i</sub>                         | 365.01         | 1.808638 | α <sub>30/70°C</sub> (10 <sup>-7</sup> /K)           | 80     |                           | 500    | 0.996                           | 0.992          |  |                                     |                        |       |       |  |
| n <sub>313.18</sub>                    | 313.18         |          | α <sub>100/300°C</sub> (10 <sup>-7</sup> /K)         | 95     |                           | 480    | 0.993                           | 0.987          |  |                                     |                        |       |       |  |
| n <sub>302.15</sub>                    | 302.15         |          | λ[W/(m·K)]   |        |                           | 460    | 0.991                           | 0.983          |  |                                     |                        |       |       |  |
| 色散公式常数 Constants of Dispersion Formula |                |          | 化学性质 Chemical Properties                             |        |                           |        | 440                             | 0.988          | 0.977  |                                     |                        |       |       |  |
|  |                |          |  |        |                           |        | K <sub>1</sub>                  | 2.10645313E-01 |  | Grade                               | 420                    | 0.982 | 0.964 |  |
| L <sub>1</sub>                         | 5.42759294E-02 |          | D <sub>w</sub>                                       | 1      |                           | 400    | 0.964                           | 0.930          |  |                                     |                        |       |       |  |
| K <sub>2</sub>                         | 1.75547352E+00 |          | D <sub>A</sub>                                       | 2      |                           | 390    | 0.942                           | 0.887          |  |                                     |                        |       |       |  |
| L <sub>2</sub>                         | 1.12370777E-02 |          | CR   | 1      |                           | 380    | 0.895                           | 0.801          |  |                                     |                        |       |       |  |
| K <sub>3</sub>                         | 1.28979005E+00 |          | RC(S)  | 1      |                           | 370    | 0.775                           | 0.601          |  |                                     |                        |       |       |  |
| L <sub>3</sub>                         | 1.19852069E+02 |          | RA(S)  | 3      |                           | 360    | 0.505                           | 0.255          |  |                                     |                        |       |       |  |
| 折射率温度系数常数 Constants of dn/dt           |                |          | 机械性质 Mechanical Properties                           |        |                           |        | 350                             | 0.138          | 0.019  |                                     |                        |       |       |  |
|  |                |          |  |        |                           |        | D <sub>0</sub>                  | 6.53E-07       |  | H <sub>k</sub> (10 <sup>7</sup> Pa) | 545                    |       |       |  |
| D <sub>1</sub>                         | 1.81E-08       |          | 折射率温度系数 Temperature Coefficients of Refractive Index |        |                           |        | F <sub>A</sub>                  | 178            |  |                                     |                        |       |       |  |
| D <sub>2</sub>                         | -1.59E-10      |          |  |        |                           |        | 温度范围 (°C)                       |                | dn/dt relative(10 <sup>-6</sup> /°C)         |                                     | E (10 <sup>7</sup> Pa) | 9105  |       |  |
| E <sub>0</sub>                         | 9.02E-07       |          | Range of Temperature                                 | t      | C'                        | d      | e                               | F'             | g  | G (10 <sup>7</sup> Pa)              | 3563                   |       |       |  |
| E <sub>1</sub>                         | 8.16E-10       |          | -60~-40  |        |                           |        |                                 |                |  | μ                                   | 0.278                  |       |       |  |
| λ <sub>TK</sub> (μm)                   | 0.246          |          | -40~-20  | 1.3    | 2.0                       | 2.7    | 2.9                             | 3.4            | 4.4  | B (10 <sup>-12</sup> /Pa)           | 2.42                   |       |       |  |
| 其他性质 Other Properties                  |                |          | -20~0  | 2.0    | 3.1                       | 3.3    | 3.5                             | 4.7            | 5.7  | ρ (g/cm <sup>3</sup> )              |                        |       | 3.92  |  |
|  |                |          | 0~20   | 2.4    | 3.5                       | 3.6    | 4.3                             | 5.1            | 6.3  |                                     |                        |       |       |  |
| 备注 Remarks                             |                |          | 20~40  | 2.5    | 3.4                       | 3.9    | 4.2                             | 5.4            | 6.2  |                                     |                        |       |       |  |
|  |                |          | 40~60  | 2.5    | 3.5                       | 4.0    | 4.5                             | 5.6            | 6.6  |                                     |                        |       |       |  |
|  |                |          | 60~80  | 2.8    | 3.8                       | 4.4    | 4.6                             | 5.6            | 6.9  |                                     |                        |       |       |  |
|  |                |          | 80~100   |        |                           |        |                                 |                |  |                                     |                        |       |       |  |
|  |                |          | 100~120  |        |                           |        |                                 |                |  |                                     |                        |       |       |  |
|  |                |          | 120~140  |        |                           |        |                                 |                |  |                                     |                        |       |       |  |