

| H-LaK3 747510  |                |          | n <sub>d</sub> = 1.746930                  |         | ν <sub>d</sub> = 50.95 |                           | n <sub>F</sub> - n <sub>C</sub> = 0.014660   |                |                   |
|--|----------------|----------|--|---------|------------------------|---------------------------|--|----------------|-------------------|
|  |                |          | n <sub>e</sub> = 1.750422                  |         | ν <sub>e</sub> = 50.71 |                           | n <sub>F'</sub> - n <sub>C'</sub> = 0.014799 |                |                   |
| 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>                           | 0.2729  | P' <sub>s,t</sub>      | 0.2703                    | λ (nm)                                       | τ (5mm)        | τ (10mm)          |
| n <sub>2325.42</sub>                                 | 2325.42        | 1.706139 | P <sub>C,s</sub>                           | 0.5295  | P' <sub>C',s</sub>     | 0.5721                    | 2400   | 0.820          | 0.670             |
| n <sub>1970.09</sub>                                 | 1970.09        | 1.713611 | P <sub>d,C</sub>                           | 0.3023  | P' <sub>d,C'</sub>     | 0.2519                    | 2200   | 0.951          | 0.905             |
| n <sub>1529.58</sub>                                 | 1529.58        | 1.721523 | P <sub>e,d</sub>                           | 0.2382  | P' <sub>e,d</sub>      | 0.2360                    | 2000   | 0.983          | 0.966             |
| n <sub>1060.0</sub>                                  | 1060.0         | 1.729780 | P <sub>g,F</sub>                           | 0.5504  | P' <sub>g,F'</sub>     | 0.4883                    | 1800   | 0.996          | 0.992             |
| n <sub>t</sub>                                       | 1013.98        | 1.730735 | P <sub>i,h</sub>                           | 0.7904  | P' <sub>i,h</sub>      | 0.7830                    | 1600   | 0.999          | 0.998             |
| n <sub>s</sub>                                       | 852.11         | 1.734735 | 异常色散 Abnormal Dispersions                  |         |                        |                           | 1400   | 0.999          | 0.998             |
| n <sub>r</sub>                                       | 706.52         | 1.739988 |  |         |                        |                           | ΔP <sub>C,t</sub>                            | 0.0161         | ΔP <sub>C,s</sub> |
| n <sub>C</sub>                                       | 656.27         | 1.742498 | ΔP <sub>F,e</sub>                          | -0.0024 | ΔP <sub>g,F</sub>      | -0.0085                   | 1060   | 0.999          | 0.998             |
| n <sub>C'</sub>                                      | 643.85         | 1.743202 | 着色度 Color Code                             |         |                        |                           | 1000   | 0.999          | 0.998             |
| n <sub>He-Ne</sub>                                   | 632.8          | 1.743860 |  |         |                        |                           | λ <sub>80</sub> /λ <sub>5</sub>              | 380/320        |                   |
| n <sub>D</sub>                                       | 589.29         | 1.746800 | λ <sub>70</sub> /λ <sub>5</sub>            |         |                        | 900                       | 0.999  | 0.998          |                   |
| n <sub>d</sub>                                       | 587.56         | 1.746930 | 热性质 Thermal Properties                     |         |                        |                           | 850  | 0.999          | 0.998             |
| n <sub>e</sub>                                       | 546.07         | 1.750422 |  |         |                        |                           | T <sub>g</sub> (°C)                          | 663            |                   |
| n <sub>F</sub>                                       | 486.13         | 1.757158 | T <sub>s</sub> (°C)                        | 689     |                        | 700                       | 0.997  | 0.995          |                   |
| n <sub>F'</sub>                                      | 479.99         | 1.758001 | T <sub>10</sub> <sup>14.5</sup> (°C)       | 603     |                        | 650                       | 0.997  | 0.995          |                   |
| n <sub>g</sub>                                       | 435.83         | 1.765227 | T <sub>10</sub> <sup>13</sup> (°C)         | 634     |                        | 600                       | 0.997  | 0.995          |                   |
| n <sub>h</sub>                                       | 404.66         | 1.771971 | T <sub>10</sub> <sup>7.6</sup> (°C)        | 742     |                        | 550                       | 0.997  | 0.994          |                   |
| n <sub>i</sub>                                       | 365.01         | 1.783558 | α <sub>30/70</sub> (10 <sup>-7</sup> /K)   | 60      |                        | 500                       | 0.994  | 0.988          |                   |
| n <sub>313.18</sub>                                  | 313.18         |          | α <sub>100/300</sub> (10 <sup>-7</sup> /K) | 74      |                        | 480                       | 0.991  | 0.983          |                   |
| n <sub>302.15</sub>                                  | 302.15         |          | λ[W/(m·K)]                                 |         |                        | 460                       | 0.988  | 0.977          |                   |
| 色散公式常数 Constants of Dispersion Formula               |                |          | 化学性质 Chemical Properties                   |         |                        |                           | 440  | 0.985          | 0.971             |
|  |                |          |  |         |                        |                           | K <sub>1</sub>                               | 1.27801447E+00 |                   |
| L <sub>1</sub>                                       | 9.06830082E+01 |          | D <sub>w</sub>                             | 1       |                        | 400                       | 0.977  | 0.954          |                   |
| K <sub>2</sub>                                       | 1.19473815E+00 |          | D <sub>A</sub>                             | 3       |                        | 390                       | 0.971  | 0.942          |                   |
| L <sub>2</sub>                                       | 1.81704833E-02 |          | CR   | 1       |                        | 380                       | 0.959  | 0.920          |                   |
| K <sub>3</sub>                                       | 7.93028102E-01 |          | RC(S)                                      | 1       |                        | 370                       | 0.939  | 0.881          |                   |
| L <sub>3</sub>                                       | 1.08737276E-03 |          | RA(S)                                      | 3       |                        | 360                       | 0.900  | 0.810          |                   |
| 折射率温度系数常数 Constants of dn/dt                         |                |          | 机械性质 Mechanical Properties                 |         |                        |                           | 350  | 0.840          | 0.700             |
|  |                |          |  |         |                        |                           | D <sub>0</sub>                               |                |                   |
| D <sub>1</sub>                                       |                |          | D <sub>w</sub>                             | 1       |                        | F <sub>A</sub>            | 110  |                |                   |
| D <sub>2</sub>                                       |                |          | D <sub>A</sub>                             | 3       |                        | E (10 <sup>7</sup> Pa)    | 11471  |                |                   |
| E <sub>0</sub>                                       |                |          | CR   | 1       |                        | G (10 <sup>7</sup> Pa)    | 4589   |                |                   |
| E <sub>1</sub>                                       |                |          | RC(S)                                      | 1       |                        | μ                         | 0.250  |                |                   |
| λ <sub>TK</sub> (μm)                                 |                |          | RA(S)                                      | 3       |                        | B (10 <sup>-12</sup> /Pa) | 1.59   |                |                   |
| 折射率温度系数 Temperature Coefficients of Refractive Index |                |          | dn/dt relative(10 <sup>-6</sup> /°C)       |         |                        |                           | 其他性质 Other Properties                        |                |                   |
| 温度范围 (°C)  |                |          | dn/dt relative(10 <sup>-6</sup> /°C)       |         |                        |                           |  |                |                   |
| Range of Temperature                                 |                |          | t  | C'      | d                      | e                         | F'   | g              |                   |
| -60~-40  |                |          |  |         |                        |                           |  | 4.08           |                   |
| -40~-20  |                |          | 1.9  | 2.8     | 3.1                    | 3.2                       | 3.9  | 备注 Remarks     |                   |
| -20~0  |                |          | 2.7  | 3.2     | 3.9                    | 4.0                       | 4.4  |                |                   |
| 0~20   |                |          | 2.9  | 3.6     | 4.1                    | 4.5                       | 4.9  |                |                   |
| 20~40  |                |          | 3.5  | 4.1     | 4.2                    | 4.5                       | 5.2  |                |                   |
| 40~60  |                |          | 4.0  | 4.5     | 4.8                    | 5.1                       | 5.4  |                |                   |
| 60~80  |                |          | 4.4  | 4.6     | 4.8                    | 5.2                       | 5.7  |                |                   |
| 80~100   |                |          |  |         |                        |                           |  |                |                   |
| 100~120  |                |          |  |         |                        |                           |  |                |                   |
| 120~140  |                |          |  |         |                        |                           |  |                |                   |