

| H-ZLaF4LB  |         |          | 911353                                       |         |                    |         | n <sub>d</sub> = 1.910820           |         | v <sub>d</sub> = 35.28    |                | n <sub>F</sub> - n <sub>C</sub> = 0.025815   |                |       |
|--|---------|----------|--|---------|--------------------|---------|-------------------------------------|---------|---------------------------|----------------|--|----------------|-------|
|  |         |          |  |         |                    |         | n <sub>e</sub> = 1.916937           |         | v <sub>e</sub> = 35.03    |                | n <sub>F'</sub> - n <sub>C'</sub> = 0.026173 |                |       |
| 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>                             | 0.2268  | P' <sub>s,t</sub>  | 0.2237  | λ (nm)                              | τ (5mm) | τ (10mm)                  |                |  |                |       |
| n <sub>2325.42</sub>                                 | 2325.42 | 1.858972 | P <sub>C,s</sub>                             | 0.4858  | P' <sub>C',s</sub> | 0.5245  | 2400                                | 0.922   | 0.850                     |                |  |                |       |
| n <sub>1970.09</sub>                                 | 1970.09 | 1.865850 | P <sub>d,C</sub>                             | 0.2935  | P' <sub>d,C'</sub> | 0.2441  | 2200                                | 0.978   | 0.956                     |                |  |                |       |
| n <sub>1529.58</sub>                                 | 1529.58 | 1.873698 | P <sub>e,d</sub>                             | 0.2370  | P' <sub>e,d</sub>  | 0.2337  | 2000                                | 0.990   | 0.980                     |                |  |                |       |
| n <sub>1060.0</sub>                                  | 1060.0  | 1.883539 | P <sub>g,F</sub>                             | 0.5834  | P' <sub>g,F'</sub> | 0.5164  | 1800                                | 0.997   | 0.994                     |                |  |                |       |
| n <sub>t</sub>                                       | 1013.98 | 1.884849 | P <sub>i,h</sub>                             | 0.9169  | P' <sub>i,h</sub>  | 0.9043  | 1600                                | 0.999   | 0.998                     |                |  |                |       |
| n <sub>s</sub>                                       | 852.11  | 1.890703 | 异常色散 Abnormal Dispersions                    |         |                    |         | 1400                                | 0.999   | 0.998                     |                |  |                |       |
| n <sub>r</sub>                                       | 706.52  | 1.899066 |  |         |                    |         | ΔP <sub>C,t</sub>                   | 0.0001  | ΔP <sub>C,s</sub>         | 0.0007         | 1200   | 0.999          | 0.998 |
| n <sub>C</sub>                                       | 656.27  | 1.903244 | ΔP <sub>F,e</sub>                            | -0.0007 | ΔP <sub>g,F</sub>  | -0.0022 | 1060                                | 0.999   | 0.998                     |                |  |                |       |
| n <sub>C'</sub>                                      | 643.85  | 1.904431 | 着色度 Color Code                               |         |                    |         | 1000                                | 0.999   | 0.998                     |                |  |                |       |
| n <sub>He-Ne</sub>                                   | 632.8   | 1.905547 |  |         |                    |         | λ <sub>80</sub> /λ <sub>5</sub>     |         |                           |                | 950  | 0.999          | 0.998 |
| n <sub>D</sub>                                       | 589.29  | 1.910594 | λ <sub>70</sub> /λ <sub>5</sub>              | 400/355 |                    |         | 900                                 | 0.999   | 0.998                     |                |  |                |       |
| n <sub>d</sub>                                       | 587.56  | 1.910820 | 热性质 Thermal Properties                       |         |                    |         | 850                                 | 0.999   | 0.998                     |                |  |                |       |
| n <sub>e</sub>                                       | 546.07  | 1.916937 |  |         |                    |         | T <sub>g</sub> (°C)                 | 711     |                           |                | 800  | 0.999          | 0.998 |
| n <sub>F</sub>                                       | 486.13  | 1.929059 | T <sub>s</sub> (°C)                          | 746     |                    |         | 700                                 | 0.999   | 0.998                     |                |  |                |       |
| n <sub>F'</sub>                                      | 479.99  | 1.930604 | T <sub>10</sub> <sup>14.5</sup> (°C)         | 661     |                    |         | 650                                 | 0.998   | 0.997                     |                |  |                |       |
| n <sub>g</sub>                                       | 435.83  | 1.944119 | T <sub>10</sub> <sup>13</sup> (°C)           | 694     |                    |         | 600                                 | 0.998   | 0.996                     |                |  |                |       |
| n <sub>h</sub>                                       | 404.66  | 1.957193 | T <sub>10</sub> <sup>7.6</sup> (°C)          | 805     |                    |         | 550                                 | 0.997   | 0.994                     |                |  |                |       |
| n <sub>i</sub>                                       | 365.01  | 1.980862 | α <sub>30/70°C</sub> (10 <sup>-7</sup> /K)   | 66      |                    |         | 500                                 | 0.992   | 0.983                     |                |  |                |       |
| n <sub>313.18</sub>                                  | 313.18  |          | α <sub>100/300°C</sub> (10 <sup>-7</sup> /K) | 88      |                    |         | 480                                 | 0.987   | 0.975                     |                |  |                |       |
| n <sub>302.15</sub>                                  | 302.15  |          | λ[W/(m·K)]                                   |         |                    |         | 460                                 | 0.982   | 0.964                     |                |  |                |       |
| 色散公式常数 Constants of Dispersion Formula               |         |          | 化学性质 Chemical Properties                     |         |                    |         | Grade                               |         | 440                       | 0.972          | 0.946  |                |       |
|  |         |          |  |         |                    |         |                                     |         | K <sub>1</sub>            | 3.03787540E-01 |  | D <sub>w</sub> | 1     |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 400                       | 0.917          | 0.841  |                |       |
|  |         |          |  |         |                    |         |                                     |         | L <sub>1</sub>            | 5.00877320E-02 |  | D <sub>A</sub> | 1     |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 380                       | 0.810          | 0.656  |                |       |
|  |         |          |  |         |                    |         |                                     |         | K <sub>2</sub>            | 2.22145931E+00 |  | CR             | 1     |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 360                       | 0.446          | 0.199  |                |       |
|  |         |          |  |         |                    |         |                                     |         | L <sub>2</sub>            | 1.18758260E-02 |  | RC(S)          | 2     |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 350                       | 0.173          | 0.030  |                |       |
|  |         |          |  |         |                    |         |                                     |         | K <sub>3</sub>            | 1.54968685E+00 |  | RA(S)          | 1     |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 340                       |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | L <sub>3</sub>            | 1.13957667E+02 |  |                |       |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 320                       |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | D <sub>0</sub>            | 2.77E-07       |  |                |       |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 310                       |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | D <sub>1</sub>            | 1.42E-08       |  |                |       |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 300                       |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | D <sub>2</sub>            | -4.04E-11      |  |                |       |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 290                       |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | E <sub>0</sub>            | 8.52E-07       |  |                |       |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         | 280                       |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | E <sub>1</sub>            | 9.84E-10       |  |                |       |
| 折射率温度系数常数 Constants of dn/dt                         |         |          | Grade  |         |                    |         | Grade                               |         |                           |                |  |                |       |
|  |         |          |  |         |                    |         |                                     |         | λ <sub>TK</sub> (μm)      | 0.245          |  |                |       |
| 折射率温度系数 Temperature Coefficients of Refractive Index |         |          | 机械性质 Mechanical Properties                   |         |                    |         | 机械性质 Mechanical Properties          |         |                           |                |  |                |       |
| 温度范围 (°C)  |         |          | dn/dt relative(10 <sup>-6</sup> /°C)         |         |                    |         | H <sub>k</sub> (10 <sup>7</sup> Pa) |         | 686                       |                |  |                |       |
| Range of Temperature                                 |         |          | t  | C'      | d                  | e       | F'                                  | g       | F <sub>A</sub>            |                |  |                |       |
| -60~-40  |         |          | 1.8  | 3.0     | 3.3                | 3.8     | 4.5                                 | 5.7     | 139                       |                |  |                |       |
| -40~-20  |         |          | 1.8  | 3.0     | 3.3                | 3.8     | 4.6                                 | 5.8     | E (10 <sup>7</sup> Pa)    |                |  |                |       |
| -20~0  |         |          | 2.3  | 3.2     | 3.7                | 4.0     | 5.1                                 | 6.2     | 12633                     |                |  |                |       |
| 0~20   |         |          | 2.6  | 3.4     | 4.1                | 4.4     | 5.4                                 | 6.4     | G (10 <sup>7</sup> Pa)    |                |  |                |       |
| 20~40  |         |          | 2.7  | 3.7     | 4.2                | 4.5     | 5.7                                 | 6.9     | 4841                      |                |  |                |       |
| 40~60  |         |          | 2.9  | 3.9     | 4.4                | 4.9     | 6.1                                 | 7.3     | μ                         |                |  |                |       |
| 60~80  |         |          | 2.9  | 4.1     | 4.6                | 5.1     | 6.2                                 | 7.5     | 0.305                     |                |  |                |       |
| 80~100   |         |          | 2.8  | 4.2     | 4.7                | 5.2     | 6.4                                 | 7.8     | B (10 <sup>-12</sup> /Pa) |                |  |                |       |
| 100~120  |         |          | 2.7  | 4.4     | 4.9                | 5.4     | 6.6                                 | 8.1     |                           |                |  |                |       |
| 120~140  |         |          | 2.9  | 4.3     | 5.0                | 5.5     | 6.7                                 | 8.3     |                           |                |  |                |       |
|  |         |          |  |         |                    |         | 其他性质 Other Properties               |         |                           |                |  |                |       |
|  |         |          |  |         |                    |         | ρ (g/cm <sup>3</sup> )              |         | 4.84                      |                |  |                |       |
|  |         |          |  |         |                    |         | 备注 Remarks                          |         |                           |                |  |                |       |