

| H-ZPK5   |                |                                      | 593683                                       |         |                    |         | n <sub>d</sub> = 1.592800           |                | v <sub>d</sub> = 68.34 |  | n <sub>F</sub> - n <sub>C</sub> = 0.008674   |  |
|--|----------------|--------------------------------------|--|---------|--------------------|---------|-------------------------------------|----------------|------------------------|--|--|--|
|  |                |                                      |  |         |                    |         | n <sub>e</sub> = 1.594869           |                | v <sub>e</sub> = 67.96 |  | n <sub>F'</sub> - n <sub>C'</sub> = 0.008753 |  |
| 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>                             | 0.2644  | P' <sub>s,t</sub>  | 0.2620  | λ (nm)                              | τ (5mm)        | τ (10mm)               |  |  |  |
| n <sub>2325.42</sub>                                 | 2325.42        | 1.570758                             | P <sub>C,s</sub>                             | 0.5269  | P' <sub>C',s</sub> | 0.5697  | 2400                                | 0.992          | 0.983                  |  |  |  |
| n <sub>1970.09</sub>                                 | 1970.09        | 1.574388                             | P <sub>d,C</sub>                             | 0.3031  | P' <sub>d,C'</sub> | 0.2527  | 2200                                | 0.995          | 0.991                  |  |  |  |
| n <sub>1529.58</sub>                                 | 1529.58        | 1.578355                             | P <sub>e,d</sub>                             | 0.2385  | P' <sub>e,d</sub>  | 0.2364  | 2000                                | 0.997          | 0.995                  |  |  |  |
| n <sub>1060.0</sub>                                  | 1060.0         | 1.582772                             | P <sub>g,F</sub>                             | 0.5447  | P' <sub>g,F'</sub> | 0.4831  | 1800                                | 0.998          | 0.997                  |  |  |  |
| n <sub>t</sub>                                       | 1013.98        | 1.583308                             | P <sub>i,h</sub>                             | 0.7662  | P' <sub>i,h</sub>  | 0.7593  | 1600                                | 0.999          | 0.998                  |  |  |  |
| n <sub>s</sub>                                       | 852.11         | 1.585601                             |  |         |                    |         | 1400                                | 0.999          | 0.998                  |  |  |  |
| n <sub>r</sub>                                       | 706.52         | 1.588685                             | 异常色散 Abnormal Dispersions                    |         |                    |         | 1200                                | 0.999          | 0.998                  |  |  |  |
| n <sub>C</sub>                                       | 656.27         | 1.590171                             | ΔP <sub>C,t</sub>                            | -0.0771 | ΔP <sub>C,s</sub>  | -0.0365 | 1060                                | 0.999          | 0.998                  |  |  |  |
| n <sub>C'</sub>                                      | 643.85         | 1.590588                             | ΔP <sub>F,e</sub>                            | 0.0060  | ΔP <sub>g,F</sub>  | 0.0154  | 1000                                | 0.999          | 0.998                  |  |  |  |
| n <sub>He-Ne</sub>                                   | 632.8          | 1.590979                             |  |         |                    |         | 950                                 | 0.999          | 0.998                  |  |  |  |
| n <sub>D</sub>                                       | 589.29         | 1.592723                             |  |         |                    |         | 900                                 | 0.999          | 0.998                  |  |  |  |
| n <sub>d</sub>                                       | 587.56         | 1.592800                             | 着色度 Color Code                               |         |                    |         | 850                                 | 0.999          | 0.998                  |  |  |  |
| n <sub>e</sub>                                       | 546.07         | 1.594869                             | λ <sub>80</sub> /λ <sub>5</sub>              |         | 350/-              |         | 800                                 | 0.998          | 0.997                  |  |  |  |
| n <sub>F</sub>                                       | 486.13         | 1.598845                             | λ <sub>70</sub> /λ <sub>5</sub>              |         |                    |         | 700                                 | 0.998          | 0.997                  |  |  |  |
| n <sub>F'</sub>                                      | 479.99         | 1.599341                             |  |         |                    |         | 650                                 | 0.998          | 0.997                  |  |  |  |
| n <sub>g</sub>                                       | 435.83         | 1.603570                             |  |         |                    |         | 600                                 | 0.998          | 0.997                  |  |  |  |
| n <sub>h</sub>                                       | 404.66         | 1.607484                             |  |         |                    |         | 550                                 | 0.998          | 0.997                  |  |  |  |
| n <sub>i</sub>                                       | 365.01         | 1.614130                             | 热性质 Thermal Properties                       |         |                    |         | 500                                 | 0.998          | 0.996                  |  |  |  |
| n <sub>313.18</sub>                                  | 313.18         | 1.627542                             | T <sub>g</sub> (°C)                          |         | 567                |         | 480                                 | 0.997          | 0.995                  |  |  |  |
| n <sub>302.15</sub>                                  | 302.15         | 1.631490                             | T <sub>s</sub> (°C)                          |         | 588                |         | 460                                 | 0.997          | 0.994                  |  |  |  |
|  |                |                                      | T <sub>10</sub> <sup>14.5</sup> (°C)         |         | 524                |         | 440                                 | 0.996          | 0.993                  |  |  |  |
|  |                |                                      | T <sub>10</sub> <sup>13</sup> (°C)           |         | 547                |         | 420                                 | 0.996          | 0.993                  |  |  |  |
| 色散公式常数 Constants of Dispersion Formula               |                |                                      | T <sub>10</sub> <sup>7.6</sup> (°C)          |         | 633                |         | 400                                 | 0.995          | 0.991                  |  |  |  |
| K <sub>1</sub>                                       | 2.59562934E-01 |                                      | α <sub>30/70°C</sub> (10 <sup>-7</sup> /K)   |         | 124                |         | 390                                 | 0.994          | 0.989                  |  |  |  |
| L <sub>1</sub>                                       | 1.96231869E-02 |                                      | α <sub>100/300°C</sub> (10 <sup>-7</sup> /K) |         | 145                |         | 380                                 | 0.991          | 0.982                  |  |  |  |
| K <sub>2</sub>                                       | 1.24131969E+00 |                                      | λ[W/(m·K)]                                   |         |                    |         | 370                                 | 0.983          | 0.966                  |  |  |  |
| L <sub>2</sub>                                       | 6.19669959E-03 |                                      |  |         |                    |         | 360                                 | 0.964          | 0.930                  |  |  |  |
| K <sub>3</sub>                                       | 7.87237390E-01 |                                      | 化学性质 Chemical Properties                     |         |                    |         | 350                                 | 0.932          | 0.868                  |  |  |  |
| L <sub>3</sub>                                       | 1.23753444E+02 |                                      | Grade  |         |                    |         | 340                                 | 0.872          | 0.761                  |  |  |  |
| 折射率温度系数常数 Constants of dn/dt                         |                |                                      | D <sub>w</sub>                               |         |                    |         | 330                                 | 0.780          | 0.609                  |  |  |  |
| D <sub>0</sub>                                       | -2.01E-05      |                                      | D <sub>A</sub>                               |         |                    |         | 320                                 | 0.656          | 0.430                  |  |  |  |
| D <sub>1</sub>                                       | 4.05E-09       |                                      | CR   |         |                    |         | 310                                 | 0.504          | 0.254                  |  |  |  |
| D <sub>2</sub>                                       | -1.52E-11      |                                      | RC(S)  |         |                    |         | 300                                 | 0.387          | 0.150                  |  |  |  |
| E <sub>0</sub>                                       | 4.00E-07       |                                      | RA(S)  |         |                    |         | 290                                 | 0.285          | 0.081                  |  |  |  |
| E <sub>1</sub>                                       | 1.43E-10       |                                      |  |         |                    |         | 280                                 | 0.207          | 0.043                  |  |  |  |
| λ <sub>TK</sub> (μm)                                 | 0.192          |                                      |  |         |                    |         | 机械性质 Mechanical Properties          |                |                        |  |  |  |
| 折射率温度系数 Temperature Coefficients of Refractive Index |                |                                      |  |         |                    |         | H <sub>k</sub> (10 <sup>7</sup> Pa) | 372            |                        |  |  |  |
| 温度范围 (°C)  |                | dn/dt relative(10 <sup>-6</sup> /°C) |  |         |                    |         |                                     | F <sub>A</sub> | 435                    |  |  |  |
| Range of Temperature                                 | t              | C'                                   | d  | e       | F'                 | g       | E (10 <sup>7</sup> Pa)              | 7385           |                        |  |  |  |
| -60~-40  | -7.0           | -6.9                                 | -6.8   | -6.6    | -6.5               | -6.2    | G (10 <sup>7</sup> Pa)              | 2840           |                        |  |  |  |
| -40~-20  | -7.4           | -7.2                                 | -7.0   | -7.0    | -6.7               | -6.6    | μ                                   | 0.300          |                        |  |  |  |
| -20~0  | -7.8           | -7.5                                 | -7.5   | -7.4    | -7.2               | -6.9    | B (10 <sup>-12</sup> /Pa)           | 0.34           |                        |  |  |  |
| 0~20   | -7.8           | -7.6                                 | -7.6   | -7.4    | -7.3               | -7.0    | 其他性质 Other Properties               |                |                        |  |  |  |
| 20~40  | -8.0           | -7.7                                 | -7.7   | -7.5    | -7.3               | -7.2    | ρ (g/cm <sup>3</sup> )              | 4.29           |                        |  |  |  |
| 40~60  | -8.0           | -7.8                                 | -7.7   | -7.6    | -7.3               | -7.2    | 备注 Remarks                          |                |                        |  |  |  |
| 60~80  | -8.1           | -7.9                                 | -7.7   | -7.7    | -7.4               | -7.2    |                                     |                |                        |  |  |  |
| 80~100   | -8.2           | -7.9                                 | -7.8   | -7.8    | -7.5               | -7.3    |                                     |                |                        |  |  |  |
| 100~120  | -8.3           | -8.1                                 | -8.0   | -7.9    | -7.7               | -7.4    |                                     |                |                        |  |  |  |
| 120~140  | -8.5           | -8.3                                 | -8.1   | -8.1    | -7.8               | -7.6    |                                     |                |                        |  |  |  |