

|                                     |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
|-------------------------------------|---------|----------|---------------------------------------------|---------|--------------------|---------------------------|---------------------------------------|------------------------|----------|----------------------------------------------|--|
| H-ZPK5                              |         |          | 593683                                      |         |                    | n <sub>d</sub> = 1.592800 |                                       | ν <sub>d</sub> = 68.34 |          | n <sub>F</sub> - n <sub>C</sub> = 0.008674   |  |
|                                     |         |          |                                             |         |                    | n <sub>e</sub> = 1.594869 |                                       | ν <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 过 率    Internal Transmittance τ |                        |          |                                              |  |
|                                     | 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    |                                              |  |
|                                     |         |          | 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    |                                              |  |
|                                     |         |          | T <sub>10</sub> <sup>7.6</sup> (°C)         |         | 633                |                           | 400                                   | 0.995                  | 0.991    |                                              |  |
|                                     |         |          | α <sub>-30/70℃</sub> (10 <sup>-7</sup> /K)  |         | 124                |                           | 390                                   | 0.994                  | 0.989    |                                              |  |
|                                     |         |          | α <sub>100/300℃</sub> (10 <sup>-7</sup> /K) |         | 145                |                           | 380                                   | 0.991                  | 0.982    |                                              |  |
|                                     |         |          | λ[W/(m·K)]                                  |         | 0.465              |                           | 370                                   | 0.983                  | 0.966    |                                              |  |
|                                     |         |          | c <sub>p</sub> [J/(g·K)]                    |         | 0.447              |                           | 360                                   | 0.964                  | 0.930    |                                              |  |
|                                     |         |          |                                             |         |                    |                           | 350                                   | 0.932                  | 0.868    |                                              |  |
| n <sub>302.15</sub>                 | 302.15  | 1.631490 | 化学性质    Chemical Properties                 |         |                    |                           | 340                                   | 0.872                  | 0.761    |                                              |  |
|                                     |         |          |                                             |         | Grade              |                           | 330                                   | 0.780                  | 0.609    |                                              |  |
|                                     |         |          | D <sub>W</sub>                              |         | 1                  |                           | 320                                   | 0.656                  | 0.430    |                                              |  |
|                                     |         |          | D <sub>A</sub>                              |         | 2                  |                           | 310                                   | 0.504                  | 0.254    |                                              |  |
|                                     |         |          | CR                                          |         | 1                  |                           | 300                                   | 0.387                  | 0.150    |                                              |  |
|                                     |         |          | RC(S)                                       |         | 1                  |                           | 290                                   | 0.285                  | 0.081    |                                              |  |
|                                     |         |          | RA(S)                                       |         | 1                  |                           | 280                                   | 0.207                  | 0.043    |                                              |  |
|                                     |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
|                                     |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
|                                     |         |          | 机械性质    Mechanical Properties               |         |                    |                           |                                       |                        |          |                                              |  |
| H <sub>K</sub> (10 <sup>7</sup> Pa) |         |          |                                             |         |                    |                           | 372                                   |                        |          |                                              |  |
| F <sub>A</sub>                      |         |          |                                             |         |                    |                           | 435                                   |                        |          |                                              |  |
| E (10 <sup>7</sup> Pa)              |         |          |                                             |         |                    |                           | 7385                                  |                        |          |                                              |  |
| G (10 <sup>7</sup> Pa)              |         |          |                                             |         |                    |                           | 2840                                  |                        |          |                                              |  |
| μ                                   |         |          |                                             |         |                    |                           | 0.300                                 |                        |          |                                              |  |
| B (10 <sup>-12</sup> /Pa)           |         |          |                                             |         |                    |                           | 0.34                                  |                        |          |                                              |  |
|                                     |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
| 其他性质    Other Properties            |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
| ρ (g/cm <sup>3</sup> )              |         |          |                                             |         |                    |                           | 4.29                                  |                        |          |                                              |  |
|                                     |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
| 备 注    Remarks                      |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |
|                                     |         |          |                                             |         |                    |                           |                                       |                        |          |                                              |  |