

|                                                               |                |                                      |                                             |         |                           |         |                                       |                           |                                              |       |  |
|---------------------------------------------------------------|----------------|--------------------------------------|---------------------------------------------|---------|---------------------------|---------|---------------------------------------|---------------------------|----------------------------------------------|-------|--|
| H-K90GTi                                                      |                |                                      | 519633                                      |         | n <sub>d</sub> = 1.519480 |         | ν <sub>d</sub> = 63.29                |                           | n <sub>F</sub> - n <sub>C</sub> = 0.008208   |       |  |
|                                                               |                |                                      |                                             |         | n <sub>e</sub> = 1.521438 |         | ν <sub>e</sub> = 63.07                |                           | n <sub>F'</sub> - n <sub>C'</sub> = 0.008267 |       |  |
|                                                               |                |                                      |                                             |         |                           |         |                                       |                           |                                              |       |  |
| 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>                            | 0.3049  | P' <sub>s,t</sub>         | 0.3028  | λ   (nm)                              | τ (10mm)                  | τ (25mm)                                     |       |  |
| n <sub>2325.42</sub>                                          | 2325.42        | 1.492096                             | P <sub>C,s</sub>                            | 0.5574  | P' <sub>C',s</sub>        | 0.6023  | 2400                                  | 0.777                     | 0.532                                        |       |  |
| n <sub>1970.09</sub>                                          | 1970.09        | 1.497707                             | P <sub>d,C</sub>                            | 0.3071  | P' <sub>d,C'</sub>        | 0.2561  | 2200                                  | 0.836                     | 0.639                                        |       |  |
| n <sub>1529.58</sub>                                          | 1529.58        | 1.503547                             | P <sub>e,d</sub>                            | 0.2385  | P' <sub>e,d</sub>         | 0.2368  | 2000                                  | 0.931                     | 0.837                                        |       |  |
| n <sub>1060.0</sub>                                           | 1060.0         | 1.509262                             | P <sub>g,F</sub>                            | 0.5363  | P' <sub>g,F'</sub>        | 0.4765  | 1800                                  | 0.969                     | 0.925                                        |       |  |
| n <sub>t</sub>                                                | 1013.98        | 1.509881                             | P <sub>i,h</sub>                            | 0.7519  | P' <sub>i,h</sub>         | 0.7466  | 1600                                  | 0.991                     | 0.977                                        |       |  |
| n <sub>s</sub>                                                | 852.11         | 1.512384                             |                                             |         |                           |         | 1400                                  | 0.984                     | 0.960                                        |       |  |
| n <sub>r</sub>                                                | 706.52         | 1.515508                             | 异常色散    Abnormal Dispersions                |         |                           |         | 1200                                  | 0.999                     | 0.998                                        |       |  |
| n <sub>C</sub>                                                | 656.27         | 1.516959                             | ΔP <sub>C,t</sub>                           | 0.0178  | ΔP <sub>C,s</sub>         | 0.0060  | 1060                                  | 0.999                     | 0.998                                        |       |  |
| n <sub>C'</sub>                                               | 643.85         | 1.517363                             | ΔP <sub>F,e</sub>                           | -0.0008 | ΔP <sub>g,F</sub>         | -0.0016 | 1000                                  | 0.999                     | 0.998                                        |       |  |
| n <sub>He-Ne</sub>                                            | 632.8          | 1.517739                             |                                             |         |                           |         | 950                                   | 0.999                     | 0.997                                        |       |  |
| n <sub>D</sub>                                                | 589.29         | 1.519407                             |                                             |         |                           |         | 900                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>d</sub>                                                | 587.56         | 1.519480                             | 着色度    Color Code                           |         |                           |         | 850                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>e</sub>                                                | 546.07         | 1.521438                             | λ <sub>80</sub> /λ <sub>5</sub>             |         | 310/285                   |         | 800                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>F</sub>                                                | 486.13         | 1.525167                             | λ <sub>70</sub> /λ <sub>5</sub>             |         |                           |         | 700                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>F'</sub>                                               | 479.99         | 1.525630                             |                                             |         |                           |         | 650                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>g</sub>                                                | 435.83         | 1.529569                             |                                             |         |                           |         | 600                                   | 0.999                     | 0.999                                        |       |  |
| n <sub>h</sub>                                                | 404.66         | 1.533205                             |                                             |         |                           |         | 550                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>i</sub>                                                | 365.01         | 1.539377                             | 热性质    Thermal Properties                   |         |                           |         | 500                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>313.18</sub>                                           | 313.18         | 1.551871                             | T <sub>g</sub> (°C)                         |         | 574                       |         | 480                                   | 0.999                     | 0.998                                        |       |  |
| n <sub>302.15</sub>                                           | 302.15         | 1.555567                             | T <sub>s</sub> (°C)                         |         | 635                       |         | 460                                   | 0.999                     | 0.998                                        |       |  |
|                                                               |                |                                      | T <sub>10</sub> <sup>14.5</sup> (°C)        |         | 508                       |         | 440                                   | 0.999                     | 0.998                                        |       |  |
|                                                               |                |                                      | T <sub>10</sub> <sup>13</sup> (°C)          |         | 550                       |         | 420                                   | 0.999                     | 0.998                                        |       |  |
| 色散公式常数    Constants of Dispersion Formula                     |                |                                      | T <sub>10</sub> <sup>7.6</sup> (°C)         |         | 720                       |         | 400                                   | 0.999                     | 0.998                                        |       |  |
| K <sub>1</sub>                                                | 1.15678766E+00 |                                      | α <sub>30/70℃</sub> (10 <sup>-7</sup> /K)   |         | 78                        |         | 390                                   | 0.999                     | 0.998                                        |       |  |
| L <sub>1</sub>                                                | 7.00647800E-03 |                                      | α <sub>100/300℃</sub> (10 <sup>-7</sup> /K) |         | 94                        |         | 380                                   | 0.999                     | 0.997                                        |       |  |
| K <sub>2</sub>                                                | 9.60974772E-01 |                                      | λ[W/(m·K)]                                  |         |                           |         | 370                                   | 0.999                     | 0.997                                        |       |  |
| L <sub>2</sub>                                                | 1.00981876E+02 |                                      |                                             |         |                           |         | 365                                   | 0.998                     | 0.995                                        |       |  |
| K <sub>3</sub>                                                | 1.21868843E-01 |                                      |                                             |         |                           |         | 360                                   | 0.997                     | 0.992                                        |       |  |
| L <sub>3</sub>                                                | 2.49553890E-02 |                                      | 化学性质    Chemical Properties                 |         |                           |         | 350                                   | 0.994                     | 0.985                                        |       |  |
|                                                               |                |                                      |                                             |         | Grade                     |         | 340                                   | 0.991                     | 0.977                                        |       |  |
| 折射率温度系数常数    Constants of dn/dt                               |                |                                      | D <sub>W</sub>                              |         | 3                         |         | 330                                   | 0.975                     | 0.938                                        |       |  |
| D <sub>0</sub>                                                | -7.71E-07      |                                      | D <sub>A</sub>                              |         | 1                         |         | 320                                   | 0.942                     | 0.862                                        |       |  |
| D <sub>1</sub>                                                | 1.65E-08       |                                      | CR                                          |         | 1                         |         | 310                                   | 0.850                     | 0.665                                        |       |  |
| D <sub>2</sub>                                                | -4.14E-11      |                                      | RC(S)                                       |         | 1                         |         | 300                                   | 0.637                     | 0.324                                        |       |  |
| E <sub>0</sub>                                                | 4.54E-07       |                                      | RA(S)                                       |         | 1                         |         | 290                                   | 0.196                     | 0.017                                        |       |  |
| E <sub>1</sub>                                                | 4.64E-10       |                                      |                                             |         |                           |         | 280                                   |                           |                                              |       |  |
| λ <sub>TK</sub> (μm)                                          | 0.177          |                                      |                                             |         |                           |         |                                       |                           |                                              |       |  |
|                                                               |                |                                      |                                             |         |                           |         |                                       |                           |                                              |       |  |
| 折 射 率 温 度 系 数    Temperature Coefficients of Refractive Index |                |                                      |                                             |         |                           |         | 机 械 性 质    Mechanical Properties      |                           |                                              |       |  |
| 温度范围 (°C)<br>Range of Temperature                             |                | dn/dt relative(10 <sup>-6</sup> /°C) |                                             |         |                           |         | H <sub>K</sub> (10 <sup>7</sup> Pa)   |                           | 544                                          |       |  |
|                                                               |                | t                                    | C'                                          | d       | e                         | F'      | g                                     | F <sub>A</sub>            |                                              | 98    |  |
| -60~-40                                                       |                | 1.0                                  | 1.4                                         | 1.5     | 1.5                       | 1.8     | 2.0                                   | E (10 <sup>7</sup> Pa)    |                                              | 8022  |  |
| -40~-20                                                       |                | 1.1                                  | 1.4                                         | 1.5     | 1.6                       | 1.8     | 2.0                                   | G (10 <sup>7</sup> Pa)    |                                              | 3304  |  |
| -20~0                                                         |                | 1.1                                  | 1.4                                         | 1.5     | 1.7                       | 1.9     | 2.2                                   | μ                         |                                              | 0.214 |  |
| 0~20                                                          |                | 1.1                                  | 1.4                                         | 1.5     | 1.8                       | 2.0     | 2.2                                   | B (10 <sup>-12</sup> /Pa) |                                              |       |  |
| 20~40                                                         |                | 1.3                                  | 1.6                                         | 1.7     | 2.0                       | 2.2     | 2.5                                   |                           |                                              |       |  |
| 40~60                                                         |                | 1.4                                  | 1.8                                         | 1.9     | 2.1                       | 2.2     | 2.6                                   | 其他性质    Other Properties  |                                              |       |  |
| 60~80                                                         |                | 1.5                                  | 1.8                                         | 2.0     | 2.1                       | 2.4     | 2.7                                   | ρ (g/cm <sup>3</sup> )    |                                              | 2.52  |  |
| 80~100                                                        |                | 1.5                                  | 1.9                                         | 2.0     | 2.1                       | 2.4     | 2.7                                   |                           |                                              |       |  |
| 100~120                                                       |                | 1.5                                  | 1.9                                         | 2.0     | 2.1                       | 2.5     | 2.8                                   | 备 注    Remarks            |                                              |       |  |
| 120~140                                                       |                | 1.6                                  | 2.0                                         | 2.2     | 2.3                       | 2.6     | 3.0                                   | i 线玻璃                     |                                              |       |  |