

|                                                               |                |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
|---------------------------------------------------------------|----------------|--------------------------------------|---------------------------------------------|--------|--------------------|---------------------------|---------------------------------------|---------------------------|-------------------|----------------------------------------------|-------|-------|-------|--|--|
| H-FK55                                                        |                |                                      | 550752                                      |        |                    | n <sub>d</sub> = 1.550200 |                                       | ν <sub>d</sub> = 75.23    |                   | n <sub>F</sub> - n <sub>C</sub> = 0.007314   |       |       |       |  |  |
|                                                               |                |                                      |                                             |        |                    | n <sub>e</sub> = 1.551946 |                                       | ν <sub>e</sub> = 74.84    |                   | n <sub>F'</sub> - n <sub>C'</sub> = 0.007375 |       |       |       |  |  |
|                                                               |                |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
| 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>                            | 0.2762 | P' <sub>s,t</sub>  | 0.2739                    | λ (nm)                                | τ (5mm)                   | τ (10mm)          |                                              |       |       |       |  |  |
| n <sub>2325.42</sub>                                          | 2325.42        | 1.530079                             | P <sub>C,s</sub>                            | 0.5365 | P' <sub>C',s</sub> | 0.5801                    | 2400                                  | 0.996                     | 0.992             |                                              |       |       |       |  |  |
| n <sub>1970.09</sub>                                          | 1970.09        | 1.533622                             | P <sub>d,C</sub>                            | 0.3045 | P' <sub>d,C'</sub> | 0.2540                    | 2200                                  | 0.998                     | 0.995             |                                              |       |       |       |  |  |
| n <sub>1529.58</sub>                                          | 1529.58        | 1.537450                             | P <sub>e,d</sub>                            | 0.2387 | P' <sub>e,d</sub>  | 0.2367                    | 2000                                  | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>1060.0</sub>                                           | 1060.0         | 1.541548                             | P <sub>g,F</sub>                            | 0.5405 | P' <sub>g,F'</sub> | 0.4797                    | 1800                                  | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>t</sub>                                                | 1013.98        | 1.542029                             | P <sub>i,h</sub>                            | 0.7549 | P' <sub>i,h</sub>  | 0.7486                    | 1600                                  | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>s</sub>                                                | 852.11         | 1.544049                             | 异常色散    Abnormal Dispersions                |        |                    |                           | 1400                                  | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>r</sub>                                                | 706.52         | 1.546706                             |                                             |        |                    |                           | ΔP <sub>C,t</sub>                     | -0.0881                   | ΔP <sub>C,s</sub> | -0.0431                                      | 1200  | 0.999 | 0.998 |  |  |
| n <sub>C</sub>                                                | 656.27         | 1.547973                             |                                             |        |                    |                           | ΔP <sub>F,e</sub>                     | 0.0081                    | ΔP <sub>g,F</sub> | 0.0229                                       | 1060  | 0.999 | 0.998 |  |  |
| n <sub>C'</sub>                                               | 643.85         | 1.548327                             |                                             |        |                    |                           | 1000                                  | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>He-Ne</sub>                                            | 632.8          | 1.548659                             |                                             |        |                    |                           | 950                                   | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>D</sub>                                                | 589.29         | 1.550135                             |                                             |        |                    |                           | 900                                   | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>d</sub>                                                | 587.56         | 1.550200                             | 着色度    Color Code                           |        |                    |                           | 850                                   | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>e</sub>                                                | 546.07         | 1.551946                             |                                             |        |                    |                           | λ <sub>80</sub> /λ <sub>5</sub>       | 340/-                     |                   | 800                                          | 0.999 | 0.998 |       |  |  |
| n <sub>F</sub>                                                | 486.13         | 1.555287                             |                                             |        |                    |                           | λ <sub>70</sub> /λ <sub>5</sub>       |                           |                   | 700                                          | 0.999 | 0.998 |       |  |  |
| n <sub>F'</sub>                                               | 479.99         | 1.555702                             |                                             |        |                    |                           | 650                                   | 0.999                     | 0.998             |                                              |       |       |       |  |  |
| n <sub>g</sub>                                                | 435.83         | 1.559240                             |                                             |        |                    |                           | 600                                   | 0.998                     | 0.997             |                                              |       |       |       |  |  |
| n <sub>h</sub>                                                | 404.66         | 1.562504                             |                                             |        |                    |                           | 550                                   | 0.998                     | 0.997             |                                              |       |       |       |  |  |
| n <sub>i</sub>                                                | 365.01         | 1.568025                             | 热性质    Thermal Properties                   |        |                    |                           | 500                                   | 0.998                     | 0.997             |                                              |       |       |       |  |  |
| n <sub>313.18</sub>                                           | 313.18         | 1.579077                             |                                             |        |                    |                           | T <sub>g</sub> (°C)                   | 554                       |                   | 480                                          | 0.998 | 0.996 |       |  |  |
| n <sub>302.15</sub>                                           | 302.15         | 1.582306                             |                                             |        |                    |                           | T <sub>s</sub> (°C)                   | 578                       |                   | 460                                          | 0.998 | 0.997 |       |  |  |
|                                                               |                |                                      | T <sub>10</sub> <sup>14.5</sup> (°C)        |        |                    |                           | 440                                   | 0.998                     | 0.997             |                                              |       |       |       |  |  |
|                                                               |                |                                      | T <sub>10</sub> <sup>13</sup> (°C)          |        |                    |                           | 420                                   | 0.998                     | 0.997             |                                              |       |       |       |  |  |
| 色散公式常数    Constants of Dispersion Formula                     |                |                                      | T <sub>10</sub> <sup>7.6</sup> (°C)         |        |                    |                           | 400                                   | 0.998                     | 0.997             |                                              |       |       |       |  |  |
|                                                               |                |                                      | α <sub>30/70℃</sub> (10 <sup>-7</sup> /K)   |        |                    |                           | 390                                   | 0.997                     | 0.994             |                                              |       |       |       |  |  |
|                                                               |                |                                      | α <sub>100/300℃</sub> (10 <sup>-7</sup> /K) |        |                    |                           | 380                                   | 0.995                     | 0.991             |                                              |       |       |       |  |  |
| K <sub>1</sub>                                                | 5.34931974E-01 |                                      | λ[W/(m·K)]                                  |        |                    |                           | 370                                   | 0.991                     | 0.983             |                                              |       |       |       |  |  |
| L <sub>1</sub>                                                | 1.28059279E-03 |                                      | c <sub>p</sub> [J/(g·K)]                    |        |                    |                           | 360                                   | 0.984                     | 0.968             |                                              |       |       |       |  |  |
| K <sub>2</sub>                                                | 8.39050115E-01 |                                      |                                             |        |                    |                           | 350                                   | 0.963                     | 0.928             |                                              |       |       |       |  |  |
| L <sub>2</sub>                                                | 1.16444604E-02 |                                      | 化学性质    Chemical Properties                 |        |                    |                           | 340                                   | 0.931                     | 0.867             |                                              |       |       |       |  |  |
| K <sub>3</sub>                                                | 8.86511647E-01 |                                      |                                             |        |                    |                           | Grade                                 |                           | 330               | 0.873                                        | 0.762 |       |       |  |  |
| L <sub>3</sub>                                                | 1.43252236E+02 |                                      |                                             |        |                    |                           |                                       |                           | D <sub>W</sub>    | 2                                            | 320   | 0.782 | 0.611 |  |  |
|                                                               |                |                                      |                                             |        |                    |                           | 310                                   | 0.660                     | 0.436             |                                              |       |       |       |  |  |
| 折射率温度系数常数    Constants of dn/dt                               |                |                                      | D <sub>A</sub>                              |        |                    |                           | 300                                   | 0.539                     | 0.290             |                                              |       |       |       |  |  |
|                                                               |                |                                      | CR                                          |        |                    |                           | 290                                   | 0.427                     | 0.182             |                                              |       |       |       |  |  |
|                                                               |                |                                      | RC(S)                                       |        |                    |                           | 2                                     | 280                       | 0.344             | 0.118                                        |       |       |       |  |  |
| E <sub>0</sub>                                                | 3.16E-07       |                                      | RA(S)                                       |        |                    |                           | 1                                     |                           |                   |                                              |       |       |       |  |  |
| E <sub>1</sub>                                                | 2.18E-10       |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
| λ <sub>TK</sub> (μm)                                          | 0.217          |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
|                                                               |                |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
| 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)   |                           | 405               |                                              |       |       |       |  |  |
|                                                               |                |                                      |                                             |        |                    |                           | F <sub>A</sub>                        |                           | 346               |                                              |       |       |       |  |  |
|                                                               |                | t                                    |                                             | C'     |                    | E (10 <sup>7</sup> Pa)    |                                       | 7683                      |                   |                                              |       |       |       |  |  |
| -60~-40                                                       |                | -6.1                                 | -6.0                                        | -5.9   | -5.8               | -5.6                      | -5.4                                  | G (10 <sup>7</sup> Pa)    |                   | 2962                                         |       |       |       |  |  |
| -40~-20                                                       |                | -6.2                                 | -6.1                                        | -6.0   | -5.8               | -5.7                      | -5.6                                  | μ                         |                   | 0.297                                        |       |       |       |  |  |
| -20~0                                                         |                | -6.3                                 | -6.2                                        | -6.1   | -5.9               | -5.8                      | -5.7                                  | B (10 <sup>-12</sup> /Pa) |                   |                                              |       |       |       |  |  |
| 0~20                                                          |                | -6.3                                 | -6.2                                        | -6.1   | -5.9               | -5.8                      | -5.7                                  |                           |                   |                                              |       |       |       |  |  |
| 20~40                                                         |                | -6.4                                 | -6.3                                        | -6.2   | -6.0               | -5.9                      | -5.8                                  | 其他性质    Other Properties  |                   |                                              |       |       |       |  |  |
| 40~60                                                         |                | -6.5                                 | -6.4                                        | -6.3   | -6.2               | -6.0                      | -5.9                                  |                           |                   |                                              |       |       |       |  |  |
| 60~80                                                         |                | -6.6                                 | -6.5                                        | -6.4   | -6.4               | -6.1                      | -5.9                                  |                           |                   |                                              |       |       |       |  |  |
| 80~100                                                        |                | -6.8                                 | -6.6                                        | -6.6   | -6.5               | -6.3                      | -6.0                                  |                           |                   |                                              |       |       |       |  |  |
| 100~120                                                       |                | -7.0                                 | -6.7                                        | -6.7   | -6.5               | -6.5                      | -6.1                                  |                           |                   |                                              |       |       |       |  |  |
| 120~140                                                       |                | -7.2                                 | -6.8                                        | -6.8   | -6.6               | -6.6                      | -6.2                                  | ρ (g/cm <sup>3</sup> )    |                   | 4.11                                         |       |       |       |  |  |
|                                                               |                |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
| 备 注    Remarks                                                |                |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |
|                                                               |                |                                      |                                             |        |                    |                           |                                       |                           |                   |                                              |       |       |       |  |  |