

| H-F4  |         |          | 620364                                       |           |                    | n <sub>d</sub> = 1.620050 |                                       | v <sub>d</sub> = 36.35 |                                   | n <sub>F</sub> - n <sub>C</sub> = 0.017060   |      |
|---|---------|----------|--|-----------|--------------------|---------------------------|---------------------------------------|------------------------|-----------------------------------|--|------|
|   |         |          |  |           |                    | n <sub>e</sub> = 1.624087 |                                       | v <sub>e</sub> = 36.08 |                                   | n <sub>F'</sub> - n <sub>C'</sub> = 0.017299 |      |
| <b>折射率 Refractive Index</b>                                 |         |          | <b>相对部分色散 Relative Partial Dispersions</b>   |           |                    |                           | <b>内部透射率 Internal Transmittance T</b> |                        |                                   |  |      |
|   | λ (nm)  |          | P <sub>s,t</sub>                             | 0.2379    | P' <sub>s,t</sub>  | 0.2346                    | λ (nm)                                | τ (5mm)                | τ (10mm)                          |  |      |
| n <sub>2325.42</sub>  | 2325.42 | 1.581693 | P <sub>C,s</sub>                             | 0.4919    | P' <sub>C',s</sub> | 0.5305                    | 2400                                  | 0.922                  | 0.850                             |  |      |
| n <sub>1970.09</sub>  | 1970.09 | 1.587637 | P <sub>d,C</sub>                             | 0.2934    | P' <sub>d,C'</sub> | 0.2439                    | 2200                                  | 0.936                  | 0.876                             |  |      |
| n <sub>1529.58</sub>  | 1529.58 | 1.594178 | P <sub>e,d</sub>                             | 0.2366    | P' <sub>e,d</sub>  | 0.2334                    | 2000                                  | 0.977                  | 0.954                             |  |      |
| n <sub>1060.0</sub>   | 1060.0  | 1.601662 | P <sub>g,F</sub>                             | 0.5885    | P' <sub>g,F'</sub> | 0.5211                    | 1800                                  | 0.986                  | 0.973                             |  |      |
| n <sub>t</sub>  | 1013.98 | 1.602595 | P <sub>i,h</sub>                             | 0.9570    | P' <sub>i,h</sub>  | 0.9438                    | 1600                                  | 0.994                  | 0.989                             |  |      |
| n <sub>s</sub>  | 852.11  | 1.606653 | <b>异常色散 Abnormal Dispersions</b>             |           |                    |                           | 1400                                  | 0.992                  | 0.985                             |  |      |
| n <sub>r</sub>  | 706.52  | 1.612272 |  |           |                    |                           | ΔP <sub>C,t</sub>                     | 0.0122                 | ΔP <sub>C,s</sub>                 | 0.0042                                       | 1200 |
| n <sub>C</sub>  | 656.27  | 1.615044 | ΔP <sub>F,e</sub>                            | 0.0002    | ΔP <sub>g,F</sub>  | 0.0047                    | 1060                                  | 0.999                  | 0.998                             |  |      |
| n <sub>C'</sub>   | 643.85  | 1.615830 | <b>着色度 Color Code</b>                        |           |                    |                           | 1000                                  | 0.999                  | 0.998                             |  |      |
| n <sub>He-Ne</sub>  | 632.8   | 1.616568 |  |           |                    |                           | λ <sub>80</sub> /λ <sub>5</sub>       | 390/355                |                                   |  | 950  |
| n <sub>D</sub>  | 589.29  | 1.619901 | λ <sub>70</sub> /λ <sub>5</sub>              |           |                    |                           | 900                                   | 0.999                  | 0.998                             |  |      |
| n <sub>d</sub>  | 587.56  | 1.620050 | <b>热性质 Thermal Properties</b>                |           |                    |                           | 850                                   | 0.999                  | 0.998                             |  |      |
| n <sub>e</sub>  | 546.07  | 1.624087 |  |           |                    |                           | T <sub>g</sub> (°C)                   | 584                    |                                   |  | 800  |
| n <sub>F</sub>  | 486.13  | 1.632104 | T <sub>s</sub> (°C)                          | 630       |                    |                           | 700                                   | 0.998                  | 0.997                             |  |      |
| n <sub>F'</sub>   | 479.99  | 1.633129 | T <sub>10</sub> <sup>14.5</sup> (°C)         | 528       |                    |                           | 650                                   | 0.998                  | 0.996                             |  |      |
| n <sub>g</sub>  | 435.83  | 1.642144 | T <sub>10</sub> <sup>13</sup> (°C)           | 562       |                    |                           | 600                                   | 0.998                  | 0.996                             |  |      |
| n <sub>h</sub>  | 404.66  | 1.650966 | T <sub>10</sub> <sup>7.6</sup> (°C)          | 712       |                    |                           | 550                                   | 0.997                  | 0.995                             |  |      |
| n <sub>i</sub>  | 365.01  | 1.667292 | α <sub>30/70°C</sub> (10 <sup>-7</sup> /K)   | 76        |                    |                           | 500                                   | 0.995                  | 0.991                             |  |      |
| n <sub>313.18</sub>   | 313.18  |          | α <sub>100/300°C</sub> (10 <sup>-7</sup> /K) | 90        |                    |                           | 480                                   | 0.994                  | 0.988                             |  |      |
| n <sub>302.15</sub>   | 302.15  |          | λ[W/(m·K)]                                   |           |                    |                           | 460                                   | 0.993                  | 0.986                             |  |      |
| <b>色散公式常数 Constants of Dispersion Formula</b>               |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数常数 Constants of dn/dt</b>                         |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
|   |         |          |  |           |                    |                           |                                       |                        |                                   |  |      |
| <b>折射率温度系数 Temperature Coefficients of Refractive Index</b> |         |          | <b>化学性质 Chemical Properties</b>              |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
| <b>温度范围 (°C)</b>  |         |          | <b>dn/dt relative(10<sup>-6</sup>/°C)</b>    |           |                    |                           | <b>机械性质 Mechanical Properties</b>     |                        |                                   |  |      |
| <b>Range of Temperature</b>                                 |         |          | <b>t</b>                                     | <b>C'</b> | <b>d</b>           | <b>e</b>                  | <b>F'</b>                             | <b>g</b>               | <b>机械性质 Mechanical Properties</b> |  |      |
| -60~-40   |         |          | 1.1  | 1.7       | 2.0                | 2.3                       | 3.0                                   | 3.7                    | <b>机械性质 Mechanical Properties</b> |  |      |
| -40~-20   |         |          | 1.1  | 1.7       | 2.0                | 2.4                       | 3.0                                   | 3.9                    | <b>机械性质 Mechanical Properties</b> |  |      |
| -20~0   |         |          | 1.2  | 2.0       | 2.2                | 2.6                       | 3.2                                   | 4.1                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 0~20  |         |          | 1.6  | 2.2       | 2.5                | 2.9                       | 3.5                                   | 4.3                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 20~40   |         |          | 1.8  | 2.5       | 2.8                | 3.1                       | 3.9                                   | 4.8                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 40~60   |         |          | 1.8  | 2.6       | 2.9                | 3.2                       | 4.1                                   | 4.9                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 60~80   |         |          | 1.8  | 2.6       | 2.9                | 3.2                       | 4.1                                   | 4.9                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 80~100  |         |          | 1.8  | 2.6       | 2.9                | 3.2                       | 4.1                                   | 5.0                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 100~120   |         |          | 1.8  | 2.6       | 3.0                | 3.3                       | 4.1                                   | 5.3                    | <b>机械性质 Mechanical Properties</b> |  |      |
| 120~140   |         |          | 1.8  | 2.7       | 3.1                | 3.3                       | 4.3                                   | 5.5                    | <b>机械性质 Mechanical Properties</b> |  |      |