

Transmittance (T) units: %

|     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| λnm | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  | 360 | 370 | 380 | 390 |
| T   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.1 |
| λnm | 400  | 410  | 420  | 430  | 440  | 450  | 460  | 470  | 480  | 490  | 500  | 510  | 520  | 530  | 540  | 550  | 560 | 570 | 580 | 590 |
| T   | 0.3  | 0.4  | 0.5  | 0.6  | 0.6  | 0.7  | 0.9  | 0.9  | 0.9  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.9  | 0.9  | 0.9 | 0.8 | 0.7 | 0.7 |
| λnm | 600  | 610  | 620  | 630  | 640  | 650  | 660  | 670  | 680  | 690  | 700  | 710  | 720  | 730  | 740  | 750  | 760 | 770 | 780 | 790 |
| T   | 0.7  | 0.8  | 0.9  | 1.0  | 1.0  | 1.1  | 1.2  | 1.5  | 1.9  | 2.6  | 3.3  | 4.1  | 4.7  | 5.2  | 5.7  | 6.0  | 6.3 | 6.5 | 6.7 | 6.9 |
| λnm | 800  | 810  | 820  | 830  | 840  | 850  | 860  | 870  | 880  | 890  | 900  | 910  | 920  | 930  | 940  | 950  | 960 | 970 | 980 | 990 |
| T   | 7.1  | 7.2  | 7.3  | 7.3  | 7.4  | 7.4  | 7.4  | 7.4  | 7.3  | 7.3  | 7.2  | 7.1  | 7.1  | 7.0  | 6.9  | 6.8  | 6.7 | 6.7 | 6.6 | 6.5 |
| λnm | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1120 | 1140 | 1160 | 1180 | 1200 |     |     |     |     |
| T   | 6.5  | 6.4  | 6.4  | 6.4  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  | 6.4  | 6.4  | 6.6  | 6.8  | 7.0  | 7.4  |     |     |     |     |

Refractive Index/Absorption coefficient/Reflection coefficient

|     |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|
| λnm | 400   | 500   | 600   | 700   | 800   | 900   | 1000  |
| n   | 1.532 | 1.520 | 1.514 | 1.510 | 1.508 | 1.506 | 1.505 |
| P   | 0.915 | 0.918 | 0.920 | 0.921 | 0.921 | 0.922 | 0.922 |

Classes of Bubbles and Inclusions

|              |
|--------------|
| Bubble Class |
| 3            |

Color Specification

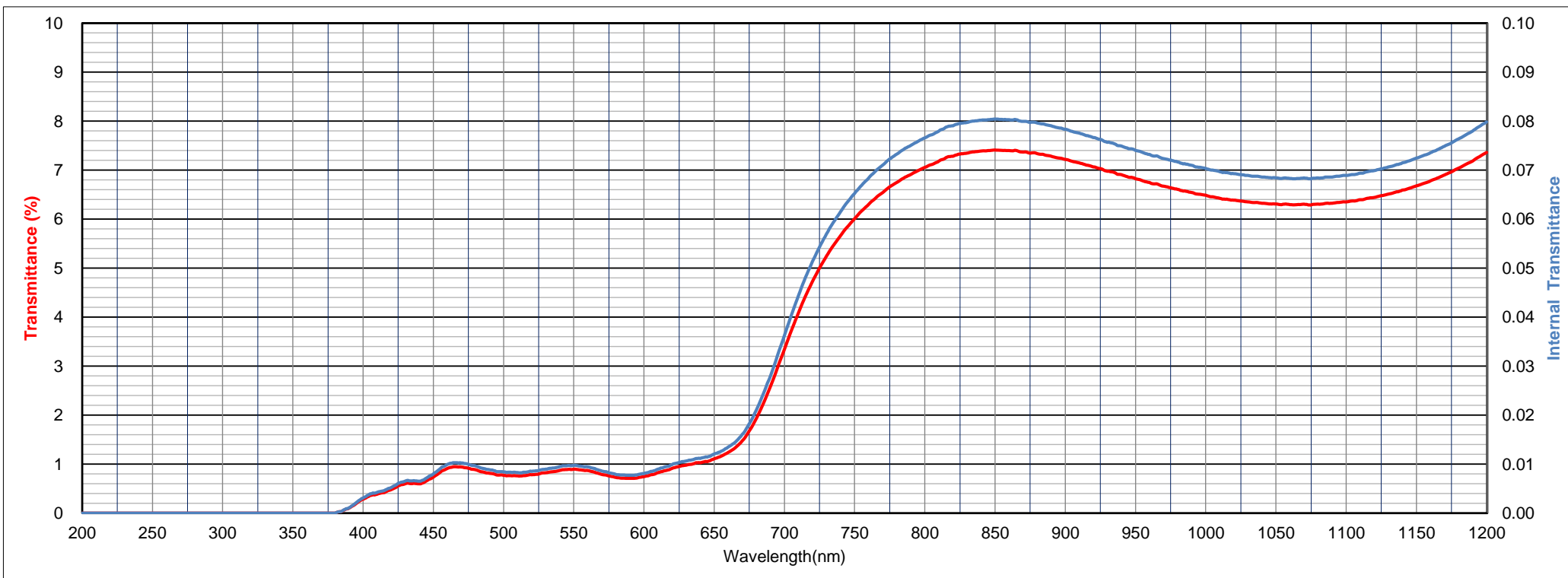
|     |   |   |   |                |                |
|-----|---|---|---|----------------|----------------|
|     | x | y | Y | λ <sub>d</sub> | P <sub>e</sub> |
| A   | - | - | - | -              | -              |
| C   | - | - | - | -              | -              |
| D65 | - | - | - | -              | -              |

Properties

| Chemical       |                | Thermal        |                |                     |                      | Mechanical     |                | Others |
|----------------|----------------|----------------|----------------|---------------------|----------------------|----------------|----------------|--------|
| D <sub>w</sub> | D <sub>A</sub> | T <sub>g</sub> | T <sub>s</sub> | α <sub>-30/70</sub> | α <sub>100/300</sub> | H <sub>K</sub> | F <sub>A</sub> | d      |
| 1              | 3              | 490            | 565            | -                   | 65                   | 530            | 100            | 2.41   |

Tolerance of Transmittance (T)

|                                      |       |
|--------------------------------------|-------|
| Average Transmittance at 400nm-700nm |       |
| Tav(%)                               | OD    |
| 1±0.5                                | 2±0.3 |



Transmittance (T) units: %

| λnm | 200  | 210  | 220  | 230  | 240  | 250  | 260  | 270  | 280  | 290  | 300  | 310  | 320  | 330  | 340  | 350  | 360  | 370  | 380  | 390  |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| T   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.1  |
| λnm | 400  | 410  | 420  | 430  | 440  | 450  | 460  | 470  | 480  | 490  | 500  | 510  | 520  | 530  | 540  | 550  | 560  | 570  | 580  | 590  |
| T   | 0.3  | 0.4  | 0.5  | 0.6  | 0.6  | 0.7  | 0.9  | 0.9  | 0.9  | 0.8  | 0.8  | 0.8  | 0.8  | 0.8  | 0.9  | 0.9  | 0.9  | 0.8  | 0.7  | 0.7  |
| λnm | 600  | 610  | 620  | 630  | 640  | 650  | 660  | 670  | 680  | 690  | 700  | 710  | 720  | 730  | 740  | 750  | 760  | 770  | 780  | 790  |
| T   | 0.7  | 0.8  | 0.9  | 1.0  | 1.0  | 1.1  | 1.2  | 1.5  | 1.9  | 2.6  | 3.3  | 4.1  | 4.7  | 5.2  | 5.7  | 6.0  | 6.3  | 6.5  | 6.7  | 6.9  |
| λnm | 800  | 810  | 820  | 830  | 840  | 850  | 860  | 870  | 880  | 890  | 900  | 910  | 920  | 930  | 940  | 950  | 960  | 970  | 980  | 990  |
| T   | 7.1  | 7.2  | 7.3  | 7.3  | 7.4  | 7.4  | 7.4  | 7.4  | 7.3  | 7.3  | 7.2  | 7.1  | 7.1  | 7.0  | 6.9  | 6.8  | 6.7  | 6.7  | 6.6  | 6.5  |
| λnm | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1110 | 1120 | 1130 | 1140 | 1150 | 1160 | 1170 | 1180 | 1190 |
| T   | 6.5  | 6.4  | 6.4  | 6.4  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  | 6.3  | 6.4  | 6.4  | 6.4  | 6.5  | 6.6  | 6.7  | 6.8  | 6.9  | 7.0  | 7.2  |
| λnm | 1200 | 1210 | 1220 | 1230 | 1240 | 1250 | 1260 | 1270 | 1280 | 1290 | 1300 | 1310 | 1320 | 1330 | 1340 | 1350 | 1360 | 1370 | 1380 | 1390 |
| T   | 7.4  | 7.6  | 7.8  | 8.0  | 8.2  | 8.5  | 8.8  | 9.1  | 9.4  | 9.8  | 10.1 | 10.4 | 10.8 | 11.7 | 12.2 | 12.3 | 12.7 | 12.9 | 13.0 | 13.2 |
| λnm | 1400 | 1410 | 1420 | 1430 | 1440 | 1450 | 1460 | 1470 | 1480 | 1490 | 1500 | 1510 | 1520 | 1530 | 1540 | 1550 | 1560 | 1570 | 1580 | 1590 |
| T   | 13.5 | 13.8 | 14.2 | 14.5 | 14.9 | 15.1 | 15.4 | 15.6 | 15.9 | 16.3 | 16.6 | 16.8 | 16.9 | 17.1 | 17.3 | 17.5 | 17.6 | 17.8 | 18.0 | 18.1 |
| λnm | 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1660 | 1670 | 1680 | 1690 | 1700 | 1710 | 1720 | 1730 | 1740 | 1750 | 1760 | 1770 | 1780 | 1790 |
| T   | 18.3 | 18.4 | 18.5 | 18.5 | 18.6 | 18.6 | 18.6 | 18.7 | 18.7 | 18.7 | 18.8 | 18.8 | 18.9 | 18.9 | 18.9 | 19.0 | 19.0 | 19.1 | 19.1 | 19.2 |
| λnm | 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 |
| T   | 19.3 | 19.4 | 19.5 | 19.7 | 19.8 | 19.9 | 20.1 | 20.2 | 20.4 | 20.6 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.8 | 22.0 | 22.2 | 22.4 | 22.6 |
| λnm | 2000 | 2050 | 2100 | 2150 | 2200 | 2250 | 2300 | 2350 | 2400 | 2450 | 2500 | 2550 | 2600 | 2650 | 2700 | 2750 | 2800 | 2850 | 2900 | 2950 |
| T   | 22.8 | 24.0 | 25.2 | 26.1 | 27.0 | 28.3 | 29.7 | 30.7 | 31.0 | 31.7 | 32.1 | 32.3 | 32.4 | 32.6 | 32.8 | 32.9 | 33.1 | 33.2 | 33.2 | 33.0 |
| λnm | 3000 | 3050 | 3100 | 3150 | 3200 | 3250 | 3300 | 3350 | 3400 | 3450 | 3500 | 3550 | 3600 | 3650 | 3700 | 3750 | 3800 | 3850 | 3900 | 3950 |
| T   | 32.6 | 31.6 | 28.8 | 21.9 | 13.3 | 7.6  | 4.5  | 3.0  | 2.3  | 2.0  | 1.9  | 1.8  | 1.8  | 1.8  | 1.9  | 1.9  | 2.0  | 2.1  | 2.1  | 2.2  |
| λnm | 4000 | 4050 | 4100 | 4150 | 4200 | 4250 | 4300 | 4350 | 4400 | 4450 | 4500 | 4550 | 4600 | 4650 | 4700 | 4750 | 4800 | 4850 | 4900 | 4950 |
| T   | 2.3  | 2.4  | 2.5  | 2.6  | 2.7  | 2.8  | 2.9  | 3.0  | 3.1  | 3.2  | 3.3  | 3.4  | 3.5  | 3.6  | 3.7  | 3.7  | 3.8  | 3.9  | 4.0  | 4.1  |
| λnm | 5000 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| T   | 4.2  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

