

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  | 3.7  | 22.2 | 45.7 |
| λnm | 400  | 410  | 420  | 430  | 440  | 450  | 460  | 470  | 480  | 490  | 500  | 510  | 520  | 530  | 540  | 550  | 560  | 570  | 580  | 590  |
| T   | 63.0 | 73.3 | 79.1 | 82.3 | 84.2 | 85.2 | 85.9 | 86.4 | 86.7 | 87.0 | 87.1 | 87.3 | 87.4 | 87.5 | 87.6 | 87.8 | 87.9 | 88.0 | 88.0 | 88.1 |
| λnm | 600  | 610  | 620  | 630  | 640  | 650  | 660  | 670  | 680  | 690  | 700  | 710  | 720  | 730  | 740  | 750  | 760  | 770  | 780  | 790  |
| T   | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.6 | 88.6 |
| λnm | 800  | 810  | 820  | 830  | 840  | 850  | 860  | 870  | 880  | 890  | 900  | 910  | 920  | 930  | 940  | 950  | 960  | 970  | 980  | 990  |
| T   | 88.6 | 88.7 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.9 | 89.0 | 89.0 | 89.2 | 89.2 | 89.1 | 89.2 | 89.2 | 89.3 |
| λnm | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1120 | 1140 | 1160 | 1180 | 1200 |      |      |      |      |
| T   | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 |      |      |      |      |

Refractive Index/Absorption coefficient/Reflection coefficient

|     |         |         |         |         |         |         |         |
|-----|---------|---------|---------|---------|---------|---------|---------|
| λnm | 400     | 500     | 600     | 700     | 800     | 900     | 1000    |
| n   | 1.615   | 1.597   | 1.588   | 1.583   | 1.580   | 1.578   | 1.577   |
| K   | 4.1E-06 | 1.8E-07 | 4.7E-08 | 1.7E-08 | 7.8E-09 | 4.2E-09 | 2.6E-09 |
| P   | 0.895   | 0.900   | 0.902   | 0.903   | 0.904   | 0.904   | 0.905   |

Classes of Bubbles and Inclusions

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

Color Specification

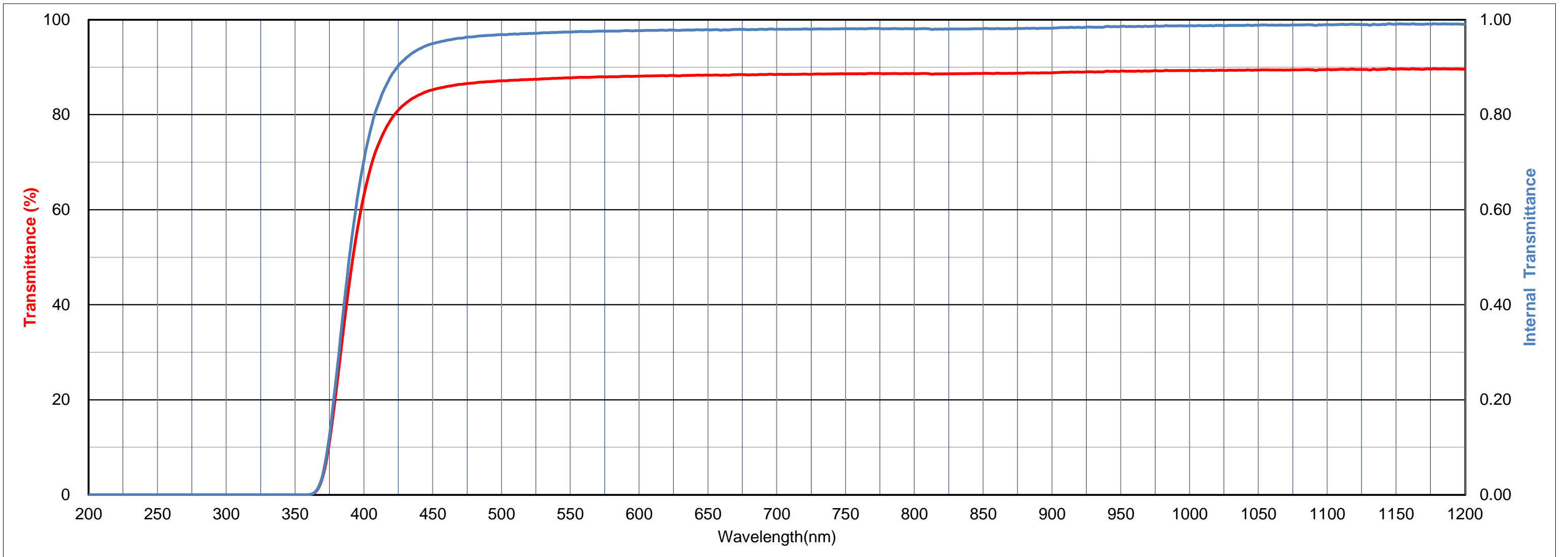
|     |       |       |    |                |                |
|-----|-------|-------|----|----------------|----------------|
|     | x     | y     | Y  | λ <sub>d</sub> | P <sub>e</sub> |
| A   | 0.450 | 0.409 | 88 | 582            | 3              |
| C   | 0.313 | 0.321 | 88 | 572            | 2              |
| D65 | 0.316 | 0.334 | 88 | 571            | 2              |

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      |
| 2              | 1              | 440            | 490            | 90                  | 100                  | 460            | 170            | 3.29   |

Tolerance of Transmittance (τ)

|         |         |        |
|---------|---------|--------|
| λτ (nm) | Δλ (nm) | TH (%) |
| 390±5   | <40     | >85    |



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|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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  | 3.7  | 22.2 | 45.7 |
| λnm | 400  | 410  | 420  | 430  | 440  | 450  | 460  | 470  | 480  | 490  | 500  | 510  | 520  | 530  | 540  | 550  | 560  | 570  | 580  | 590  |
| T   | 63.0 | 73.3 | 79.1 | 82.3 | 84.2 | 85.2 | 85.9 | 86.4 | 86.7 | 87.0 | 87.1 | 87.3 | 87.4 | 87.5 | 87.6 | 87.8 | 87.9 | 88.0 | 88.0 | 88.1 |
| λnm | 600  | 610  | 620  | 630  | 640  | 650  | 660  | 670  | 680  | 690  | 700  | 710  | 720  | 730  | 740  | 750  | 760  | 770  | 780  | 790  |
| T   | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.6 | 88.6 |
| λnm | 800  | 810  | 820  | 830  | 840  | 850  | 860  | 870  | 880  | 890  | 900  | 910  | 920  | 930  | 940  | 950  | 960  | 970  | 980  | 990  |
| T   | 88.6 | 88.7 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.9 | 89.0 | 89.0 | 89.2 | 89.2 | 89.1 | 89.2 | 89.2 | 89.3 |
| λnm | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1110 | 1120 | 1130 | 1140 | 1150 | 1160 | 1170 | 1180 | 1190 |
| T   | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.4 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| λnm | 1200 | 1210 | 1220 | 1230 | 1240 | 1250 | 1260 | 1270 | 1280 | 1290 | 1300 | 1310 | 1320 | 1330 | 1340 | 1350 | 1360 | 1370 | 1380 | 1390 |
| T   | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.5 | 89.6 | 89.7 | 89.9 | 90.0 | 90.1 | 90.1 | 90.1 | 90.2 | 90.1 |
| λnm | 1400 | 1410 | 1420 | 1430 | 1440 | 1450 | 1460 | 1470 | 1480 | 1490 | 1500 | 1510 | 1520 | 1530 | 1540 | 1550 | 1560 | 1570 | 1580 | 1590 |
| T   | 90.1 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.1 | 90.1 | 90.1 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| λnm | 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1660 | 1670 | 1680 | 1690 | 1700 | 1710 | 1720 | 1730 | 1740 | 1750 | 1760 | 1770 | 1780 | 1790 |
| T   | 90.0 | 90.0 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.8 | 89.8 | 89.8 | 89.7 | 89.7 | 89.6 | 89.6 | 89.5 | 89.5 | 89.5 | 89.4 | 89.4 |
| λnm | 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 |
| T   | 89.4 | 89.3 | 89.3 | 89.2 | 89.2 | 89.1 | 89.1 | 89.1 | 89.0 | 89.0 | 89.0 | 88.9 | 88.9 | 88.8 | 88.8 | 88.8 | 88.7 | 88.7 | 88.6 | 88.5 |
| λnm | 2000 | 2050 | 2100 | 2150 | 2200 | 2250 | 2300 | 2350 | 2400 | 2450 | 2500 | 2550 | 2600 | 2650 | 2700 | 2750 | 2800 | 2850 | 2900 | 2950 |
| T   | 88.5 | 88.2 | 87.7 | 87.2 | 86.4 | 85.9 | 85.8 | 85.4 | 84.9 | 84.0 | 83.0 | 81.7 | 79.9 | 76.9 | 71.7 | 55.1 | 40.9 | 38.5 | 38.2 | 37.6 |
| λnm | 3000 | 3050 | 3100 | 3150 | 3200 | 3250 | 3300 | 3350 | 3400 | 3450 | 3500 | 3550 | 3600 | 3650 | 3700 | 3750 | 3800 | 3850 | 3900 | 3950 |
| T   | 35.8 | 33.0 | 29.7 | 26.4 | 23.6 | 21.2 | 19.3 | 17.7 | 16.4 | 15.4 | 14.8 | 14.6 | 14.8 | 15.3 | 15.9 | 16.6 | 17.3 | 18.3 | 19.2 | 19.9 |
| λnm | 4000 | 4050 | 4100 | 4150 | 4200 | 4250 | 4300 | 4350 | 4400 | 4450 | 4500 | 4550 | 4600 | 4650 | 4700 | 4750 | 4800 | 4850 | 4900 | 4950 |
| T   | 20.2 | 19.9 | 18.8 | 17.3 | 15.5 | 13.7 | 11.9 | 10.1 | 8.0  | 5.8  | 3.6  | 1.9  | 0.4  | 0.3  | 0.2  | 0.1  | 0.0  | 0.0  | 0.0  | 0.0  |
| λnm | 5000 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| T   | 0.0  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

