

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   | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | 0.00  | 2.35E-03 | 0.16  | 4.32  | 21.34 | 43.97 | 61.55 | 72.11 | 77.85 | 81.02 |
| λnm | 400   | 410   | 420   | 430   | 440   | 450   | 460   | 470   | 480   | 490   | 500   | 510      | 520   | 530   | 540   | 550   | 560   | 570   | 580   | 590   |
| T   | 83.00 | 84.36 | 85.37 | 86.17 | 86.95 | 87.46 | 87.90 | 88.22 | 88.52 | 88.61 | 88.57 | 88.43    | 87.85 | 86.72 | 84.82 | 82.06 | 78.02 | 72.79 | 66.42 | 58.94 |
| λnm | 600   | 610   | 620   | 630   | 640   | 650   | 660   | 670   | 680   | 690   | 700   | 710      | 720   | 730   | 740   | 750   | 760   | 770   | 780   | 790   |
| T   | 50.88 | 42.59 | 34.60 | 27.31 | 20.92 | 15.61 | 11.32 | 8.18  | 5.78  | 4.05  | 2.83  | 2.00     | 1.42  | 1.03  | 0.76  | 0.58  | 0.45  | 0.37  | 0.30  | 0.26  |
| λnm | 800   | 810   | 820   | 830   | 840   | 850   | 860   | 870   | 880   | 890   | 900   | 910      | 920   | 930   | 940   | 950   | 960   | 970   | 980   | 990   |
| T   | 0.23  | 0.21  | 0.20  | 0.20  | 0.20  | 0.20  | 0.21  | 0.23  | 0.25  | 0.27  | 0.30  | 0.34     | 0.39  | 0.44  | 0.51  | 0.58  | 0.66  | 0.76  | 0.87  | 0.99  |
| λnm | 1000  | 1010  | 1020  | 1030  | 1040  | 1050  | 1060  | 1070  | 1080  | 1090  | 1100  | 1120     | 1140  | 1160  | 1180  | 1200  |       |       |       |       |
| T   | 1.14  | 1.32  | 1.50  | 1.72  | 1.96  | 2.23  | 2.53  | 2.87  | 3.22  | 3.62  | 4.06  | 5.08     | 6.27  | 7.61  | 9.17  | 10.88 |       |       |       |       |

Refractive Index/Absorption coefficient/Reflection coefficient

| λnm | 400   | 500   | 600   | 700   | 800   | 900   | 1000  |
|-----|-------|-------|-------|-------|-------|-------|-------|
| n   | 1.506 | 1.499 | 1.495 | 1.492 | 1.491 | 1.490 | 1.490 |
| P   | 0.922 | 0.923 | 0.924 | 0.925 | 0.925 | 0.925 | 0.926 |

Classes of Bubbles and Inclusions

| Bubble Class |
|--------------|
| 0            |

Color Specification

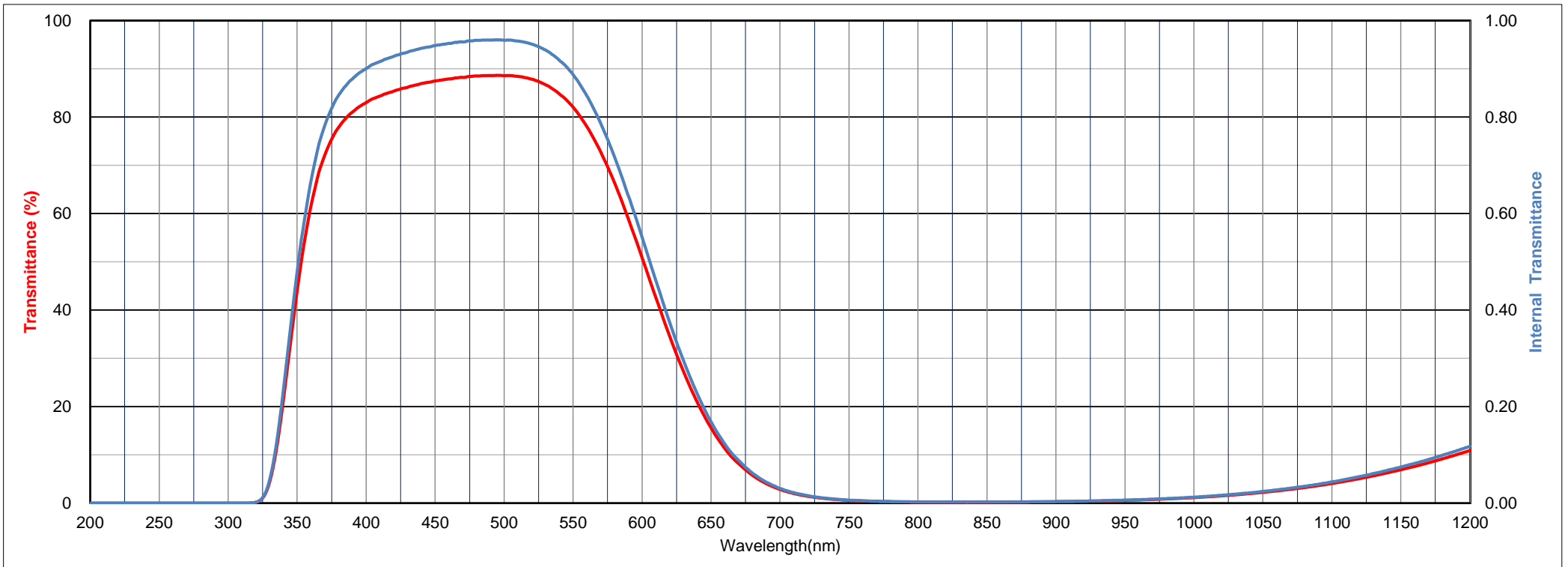
|     | x     | y     | Y  | λ <sub>d</sub> | P <sub>e</sub> |
|-----|-------|-------|----|----------------|----------------|
| A   | 0.364 | 0.430 | 65 | 500            | 19             |
| C   | 0.253 | 0.306 | 72 | 489            | 22             |
| D65 | 0.255 | 0.321 | 72 | 490            | 22             |

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              | 330            | 370            | 139                 | 183                  | 390            | 640            | 3.31   |

Tolerance of Transmittance (T)

| Transmittance at 400nm | Transmittance at 500nm | Transmittance at 600nm |
|------------------------|------------------------|------------------------|
| T400(%)                | T500(%)                | T600(%)                |
| ≥76                    | ≥85                    | ≥43                    |



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   | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | <1E-6 | 0.00  | 2.35E-03 | 0.16  | 4.32  | 21.34 | 43.97 | 61.55 | 72.11 | 77.85 | 81.02 |  |
| λnm | 400   | 410   | 420   | 430   | 440   | 450   | 460   | 470   | 480   | 490   | 500   | 510      | 520   | 530   | 540   | 550   | 560   | 570   | 580   | 590   |  |
| T   | 83.00 | 84.36 | 85.37 | 86.17 | 86.95 | 87.46 | 87.90 | 88.22 | 88.52 | 88.61 | 88.57 | 88.43    | 87.85 | 86.72 | 84.82 | 82.06 | 78.02 | 72.79 | 66.42 | 58.94 |  |
| λnm | 600   | 610   | 620   | 630   | 640   | 650   | 660   | 670   | 680   | 690   | 700   | 710      | 720   | 730   | 740   | 750   | 760   | 770   | 780   | 790   |  |
| T   | 50.88 | 42.59 | 34.60 | 27.31 | 20.92 | 15.61 | 11.32 | 8.18  | 5.78  | 4.05  | 2.83  | 2.00     | 1.42  | 1.03  | 0.76  | 0.58  | 0.45  | 0.37  | 0.30  | 0.26  |  |
| λnm | 800   | 810   | 820   | 830   | 840   | 850   | 860   | 870   | 880   | 890   | 900   | 910      | 920   | 930   | 940   | 950   | 960   | 970   | 980   | 990   |  |
| T   | 0.23  | 0.21  | 0.20  | 0.20  | 0.20  | 0.20  | 0.21  | 0.23  | 0.25  | 0.27  | 0.30  | 0.34     | 0.39  | 0.44  | 0.51  | 0.58  | 0.66  | 0.76  | 0.87  | 0.99  |  |
| λnm | 1000  | 1010  | 1020  | 1030  | 1040  | 1050  | 1060  | 1070  | 1080  | 1090  | 1100  | 1110     | 1120  | 1130  | 1140  | 1150  | 1160  | 1170  | 1180  | 1190  |  |
| T   | 1.14  | 1.32  | 1.50  | 1.72  | 1.96  | 2.23  | 2.53  | 2.87  | 3.22  | 3.62  | 4.06  | 4.55     | 5.08  | 5.65  | 6.27  | 6.92  | 7.61  | 8.36  | 9.17  | 10.01 |  |
| λnm | 1200  | 1210  | 1220  | 1230  | 1240  | 1250  | 1260  | 1270  | 1280  | 1290  | 1300  | 1310     | 1320  | 1330  | 1340  | 1350  | 1360  | 1370  | 1380  | 1390  |  |
| T   | 10.88 | 11.88 | 12.86 | 13.89 | 14.98 | 16.11 | 17.33 | 18.40 | 19.50 | 20.63 | 21.78 | 22.49    | 23.67 | 24.87 | 26.09 | 27.34 | 29.21 | 30.66 | 31.76 | 33.62 |  |
| λnm | 1400  | 1410  | 1420  | 1430  | 1440  | 1450  | 1460  | 1470  | 1480  | 1490  | 1500  | 1510     | 1520  | 1530  | 1540  | 1550  | 1560  | 1570  | 1580  | 1590  |  |
| T   | 34.95 | 36.53 | 38.07 | 39.45 | 41.05 | 42.30 | 43.73 | 45.24 | 46.42 | 47.62 | 49.10 | 50.37    | 51.74 | 53.04 | 54.11 | 55.36 | 56.53 | 57.96 | 58.87 | 59.84 |  |
| λnm | 1600  | 1610  | 1620  | 1630  | 1640  | 1650  | 1660  | 1670  | 1680  | 1690  | 1700  | 1710     | 1720  | 1730  | 1740  | 1750  | 1760  | 1770  | 1780  | 1790  |  |
| T   | 61.02 | 62.09 | 62.92 | 63.88 | 64.85 | 65.81 | 66.68 | 67.51 | 68.34 | 69.14 | 69.85 | 70.71    | 71.32 | 72.15 | 72.78 | 73.42 | 74.06 | 74.67 | 75.31 | 75.80 |  |
| λnm | 1800  | 1810  | 1820  | 1830  | 1840  | 1850  | 1860  | 1870  | 1880  | 1890  | 1900  | 1910     | 1920  | 1930  | 1940  | 1950  | 1960  | 1970  | 1980  | 1990  |  |
| T   | 76.36 | 76.87 | 77.31 | 77.94 | 78.47 | 78.85 | 79.24 | 79.78 | 80.14 | 80.54 | 80.83 | 81.24    | 81.62 | 81.90 | 82.17 | 82.51 | 82.81 | 83.10 | 83.29 | 83.67 |  |
| λnm | 2000  | 2050  | 2100  | 2150  | 2200  | 2250  | 2300  | 2350  | 2400  | 2450  | 2500  | 2550     | 2600  | 2650  | 2700  | 2750  | 2800  | 2850  | 2900  | 2950  |  |
| T   | 83.93 | 85.04 | 86.07 | 86.78 | 87.35 | 87.86 | 88.35 | 88.40 | 88.36 | 88.59 | 88.75 | 88.87    | 88.85 | 89.08 | 89.00 | 88.75 | 87.63 | 84.21 | 80.38 | 77.80 |  |
| λnm | 3000  | 3050  | 3100  | 3150  | 3200  | 3250  | 3300  | 3350  | 3400  | 3450  | 3500  | 3550     | 3600  | 3650  | 3700  | 3750  | 3800  | 3850  | 3900  | 3950  |  |
| T   | 76.01 | 74.50 | 73.26 | 72.31 | 71.79 | 71.68 | 71.88 | 72.30 | 72.77 | 73.30 | 73.93 | 74.73    | 75.60 | 76.57 | 77.57 | 78.41 | 78.85 | 78.65 | 77.60 | 75.65 |  |
| λnm | 4000  | 4050  | 4100  | 4150  | 4200  | 4250  | 4300  | 4350  | 4400  | 4450  | 4500  | 4550     | 4600  | 4650  | 4700  | 4750  | 4800  | 4850  | 4900  | 4950  |  |
| T   | 72.69 | 67.85 | 59.89 | 49.22 | 38.04 | 28.54 | 21.34 | 15.81 | 11.21 | 7.89  | 5.74  | 4.39     | 3.64  | 3.27  | 3.11  | 3.24  | 3.88  | 5.23  | 7.74  | 11.90 |  |
| λnm | 5000  |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |  |
| T   | 17.42 |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |       |       |       |       |  |

