

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 | 0.1 | 3.8 | 21.8 | 47.9 | 67.9 | 79.5 | 85.3 | 88.1 | 89.4 |
| λnm | 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 | 580 | 590 |
| T | 90.0 | 90.4 | 90.6 | 90.8 | 90.9 | 91.0 | 91.1 | 91.2 | 91.2 | 91.1 | 91.0 | 90.8 | 90.1 | 89.1 | 87.6 | 85.4 | 82.2 | 78.1 | 73.0 | 67.0 |
| λnm | 600 | 610 | 620 | 630 | 640 | 650 | 660 | 670 | 680 | 690 | 700 | 710 | 720 | 730 | 740 | 750 | 760 | 770 | 780 | 790 |
| T | 60.2 | 53.1 | 45.7 | 38.6 | 31.9 | 25.8 | 20.4 | 16.2 | 12.6 | 9.7 | 7.5 | 5.8 | 4.6 | 3.6 | 2.9 | 2.4 | 2.0 | 1.7 | 1.5 | 1.3 |
| λnm | 800 | 810 | 820 | 830 | 840 | 850 | 860 | 870 | 880 | 890 | 900 | 910 | 920 | 930 | 940 | 950 | 960 | 970 | 980 | 990 |
| T | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.7 | 1.8 | 2.0 | 2.2 | 2.5 | 2.7 | 3.0 | 3.3 | 3.6 |
| λnm | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1120 | 1140 | 1160 | 1180 | 1200 | | | | |
| T | 4.0 | 4.4 | 4.8 | 5.3 | 5.8 | 6.4 | 6.9 | 7.6 | 8.2 | 8.9 | 9.7 | 11.4 | 13.2 | 15.2 | 17.4 | 19.8 | | | | |

Refractive Index/Absorption coefficient/Reflection coefficient

| | | | | | | | |
|-----|---------|---------|---------|---------|---------|---------|---------|
| λnm | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| n | 1.535 | 1.526 | 1.521 | 1.518 | 1.517 | 1.516 | 1.515 |
| K | 3.8E-06 | 3.2E-07 | 4.6E-05 | 3.3E-04 | 7.0E-04 | 7.6E-04 | 5.5E-04 |
| P | 0.915 | 0.917 | 0.918 | 0.919 | 0.919 | 0.919 | 0.919 |

Classes of Bubbles and Inclusions

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

Color Specification

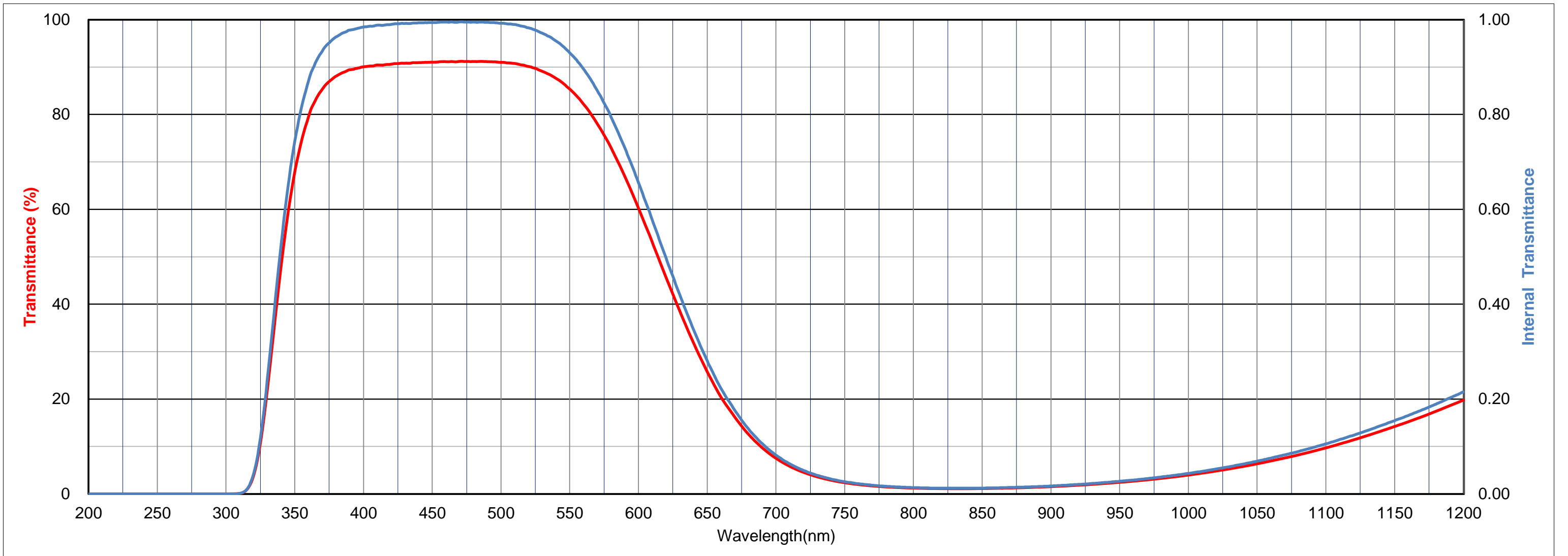
| | | | | | |
|-----|-------|-------|----|----------------|----------------|
| | x | y | Y | λ _d | P _e |
| A | 0.382 | 0.425 | 71 | 499 | 15 |
| C | 0.264 | 0.307 | 77 | 489 | 18 |
| D65 | 0.266 | 0.321 | 77 | 490 | 18 |

Properties

| Chemical | | Thermal | | | | Mechanical | | Others |
|----------------|----------------|----------------|----------------|---------------------|----------------------|----------------|----------------|--------|
| D _w | D _A | T _g | T _s | α _{-30/70} | α _{100/300} | H _K | F _A | d |
| 1 | 4 | 330 | 365 | 128 | 170 | 440 | 440 | 3.27 |

Tolerance of Transmittance (T)

| Transmittance at 400nm | Transmittance at 500nm | Transmittance at 600nm |
|------------------------|------------------------|------------------------|
| T400(%) | T500(%) | T600(%) |
| ≥85 | ≥89 | ≥59 |



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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 | 0.1 | 3.8 | 21.8 | 47.9 | 67.9 | 79.5 | 85.3 | 88.1 | 89.4 |
| λnm | 400 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 | 580 | 590 |
| T | 90.0 | 90.4 | 90.6 | 90.8 | 90.9 | 91.0 | 91.1 | 91.2 | 91.2 | 91.1 | 91.0 | 90.8 | 90.1 | 89.1 | 87.6 | 85.4 | 82.2 | 78.1 | 73.0 | 67.0 |
| λnm | 600 | 610 | 620 | 630 | 640 | 650 | 660 | 670 | 680 | 690 | 700 | 710 | 720 | 730 | 740 | 750 | 760 | 770 | 780 | 790 |
| T | 60.2 | 53.1 | 45.7 | 38.6 | 31.9 | 25.8 | 20.4 | 16.2 | 12.6 | 9.7 | 7.5 | 5.8 | 4.6 | 3.6 | 2.9 | 2.4 | 2.0 | 1.7 | 1.5 | 1.3 |
| λnm | 800 | 810 | 820 | 830 | 840 | 850 | 860 | 870 | 880 | 890 | 900 | 910 | 920 | 930 | 940 | 950 | 960 | 970 | 980 | 990 |
| T | 1.2 | 1.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.7 | 1.8 | 2.0 | 2.2 | 2.5 | 2.7 | 3.0 | 3.3 | 3.6 |
| λnm | 1000 | 1010 | 1020 | 1030 | 1040 | 1050 | 1060 | 1070 | 1080 | 1090 | 1100 | 1110 | 1120 | 1130 | 1140 | 1150 | 1160 | 1170 | 1180 | 1190 |
| T | 4.0 | 4.4 | 4.8 | 5.3 | 5.8 | 6.4 | 6.9 | 7.6 | 8.2 | 8.9 | 9.7 | 10.5 | 11.4 | 12.3 | 13.2 | 14.2 | 15.2 | 16.3 | 17.4 | 18.6 |
| λnm | 1200 | 1210 | 1220 | 1230 | 1240 | 1250 | 1260 | 1270 | 1280 | 1290 | 1300 | 1310 | 1320 | 1330 | 1340 | 1350 | 1360 | 1370 | 1380 | 1390 |
| T | 19.8 | 21.0 | 22.3 | 23.7 | 25.0 | 26.4 | 27.9 | 29.1 | 30.4 | 31.6 | 32.9 | 34.1 | 35.4 | 36.6 | 38.3 | 39.6 | 41.2 | 43.0 | 44.1 | 45.9 |
| λnm | 1400 | 1410 | 1420 | 1430 | 1440 | 1450 | 1460 | 1470 | 1480 | 1490 | 1500 | 1510 | 1520 | 1530 | 1540 | 1550 | 1560 | 1570 | 1580 | 1590 |
| T | 47.6 | 48.8 | 50.5 | 51.6 | 53.2 | 54.7 | 55.7 | 57.2 | 58.6 | 59.7 | 60.9 | 62.0 | 63.1 | 64.2 | 65.3 | 66.2 | 67.5 | 68.1 | 69.2 | 70.1 |
| λnm | 1600 | 1610 | 1620 | 1630 | 1640 | 1650 | 1660 | 1670 | 1680 | 1690 | 1700 | 1710 | 1720 | 1730 | 1740 | 1750 | 1760 | 1770 | 1780 | 1790 |
| T | 70.9 | 71.7 | 72.5 | 73.4 | 74.0 | 74.9 | 75.6 | 76.1 | 76.8 | 77.5 | 78.0 | 78.6 | 79.1 | 79.7 | 80.2 | 80.8 | 81.0 | 81.7 | 82.1 | 82.4 |
| λnm | 1800 | 1810 | 1820 | 1830 | 1840 | 1850 | 1860 | 1870 | 1880 | 1890 | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 |
| T | 82.8 | 83.2 | 83.5 | 83.9 | 84.1 | 84.5 | 84.9 | 85.1 | 85.4 | 85.7 | 85.9 | 86.2 | 86.4 | 86.7 | 86.9 | 87.1 | 87.2 | 87.5 | 87.6 | 87.8 |
| λnm | 2000 | 2050 | 2100 | 2150 | 2200 | 2250 | 2300 | 2350 | 2400 | 2450 | 2500 | 2550 | 2600 | 2650 | 2700 | 2750 | 2800 | 2850 | 2900 | 2950 |
| T | 88.0 | 88.7 | 89.4 | 89.8 | 90.2 | 90.6 | 90.8 | 90.7 | 90.6 | 90.8 | 91.0 | 91.1 | 91.1 | 91.3 | 91.3 | 91.2 | 90.7 | 89.5 | 88.2 | 87.3 |
| λnm | 3000 | 3050 | 3100 | 3150 | 3200 | 3250 | 3300 | 3350 | 3400 | 3450 | 3500 | 3550 | 3600 | 3650 | 3700 | 3750 | 3800 | 3850 | 3900 | 3950 |
| T | 86.7 | 86.1 | 85.6 | 85.2 | 85.0 | 85.0 | 85.0 | 85.1 | 85.2 | 85.4 | 85.6 | 86.0 | 86.3 | 86.7 | 87.0 | 87.3 | 87.4 | 87.1 | 86.3 | 84.8 |
| λnm | 4000 | 4050 | 4100 | 4150 | 4200 | 4250 | 4300 | 4350 | 4400 | 4450 | 4500 | 4550 | 4600 | 4650 | 4700 | 4750 | 4800 | 4850 | 4900 | 4950 |
| T | 82.3 | 78.0 | 71.0 | 62.0 | 52.5 | 44.0 | 36.8 | 30.6 | 25.3 | 21.5 | 18.8 | 16.8 | 15.6 | 15.2 | 15.3 | 16.2 | 18.1 | 21.2 | 25.8 | 31.6 |
| λnm | 5000 | | | | | | | | | | | | | | | | | | | |
| T | 37.7 | | | | | | | | | | | | | | | | | | | |

