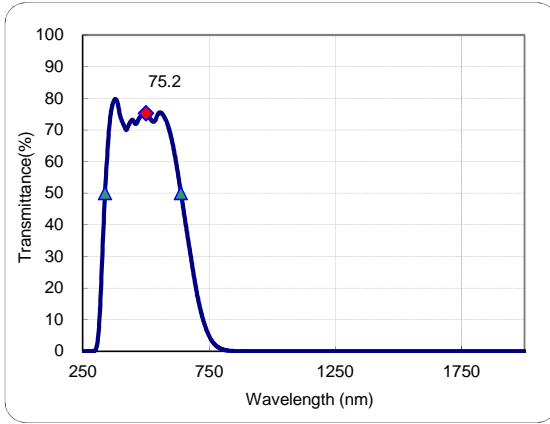


*You can not use Macro security setting yet. Please refer to "MACRO SETTING" to use this page.

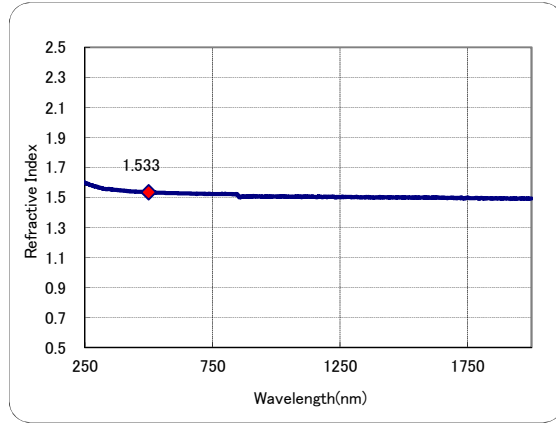
- All data are mean values of various melts.
- Change thickness and condition to check variations of data.→

| | | |
|--------------------------------------|-----------|-----|
| Condition | Thickness | 3mm |
| Current data are approximate values. | | |

● Transmittance



● Refractive index



<Meaning of sign>

- λ (nm) :Wavelength
- T (%) :External Transmittance
- τ :Internal Transmittance
- OD :Optical Density
- n_m :Refractive Index
- k_m :Extinction Coefficient

- ◆ < Set wavelength >
- ▲ <Transmittance50%>
- ▲ <Transmittance50%>
- d-line(587.56nm)
- e-line(546.07nm)

| λ (nm) | T(%) | τ | OD | n_m | k_m |
|----------------|------|--------|------|-------|-----------|
| 500 | 75.2 | 0.823 | 0.12 | 1.533 | 2.590E-06 |
| 338.0 | 50.0 | 0.550 | 0.30 | 1.555 | 5.355E-06 |
| 639.0 | 50.0 | 0.546 | 0.30 | 1.527 | 1.025E-05 |
| 587.56 | 71.3 | 0.779 | 0.15 | 1.529 | 3.894E-06 |
| 546.07 | 74.7 | 0.817 | 0.13 | 1.530 | 2.935E-06 |

| λ (nm) | T(%) | τ | OD | n_m | k_m |
|----------------|---------|---------|------|-------|-----------|
| 300 | 3.6E-01 | 4.0E-03 | 2.44 | 1.569 | 4.396E-05 |
| 310 | 3.9E+00 | 4.3E-02 | 1.41 | 1.563 | 2.590E-05 |
| 320 | 1.6E+01 | 1.8E-01 | 0.79 | 1.558 | 1.464E-05 |
| 330 | 35.4 | 0.390 | 0.45 | 1.556 | 8.246E-06 |
| 340 | 52.9 | 0.582 | 0.28 | 1.555 | 4.880E-06 |
| 350 | 65.8 | 0.724 | 0.18 | 1.554 | 2.995E-06 |
| 360 | 74.7 | 0.821 | 0.13 | 1.552 | 1.884E-06 |
| 370 | 78.5 | 0.862 | 0.10 | 1.549 | 1.455E-06 |
| 380 | 79.7 | 0.875 | 0.10 | 1.548 | 1.349E-06 |
| 390 | 77.7 | 0.852 | 0.11 | 1.546 | 1.656E-06 |
| 400 | 73.9 | 0.811 | 0.13 | 1.546 | 2.229E-06 |
| 410 | 71.9 | 0.788 | 0.14 | 1.544 | 2.587E-06 |
| 420 | 70.1 | 0.769 | 0.15 | 1.542 | 2.932E-06 |
| 430 | 71.1 | 0.779 | 0.15 | 1.540 | 2.848E-06 |
| 440 | 72.7 | 0.796 | 0.14 | 1.539 | 2.664E-06 |
| 450 | 73.0 | 0.799 | 0.14 | 1.538 | 2.677E-06 |
| 460 | 71.9 | 0.787 | 0.14 | 1.538 | 2.921E-06 |
| 470 | 73.2 | 0.801 | 0.14 | 1.537 | 2.766E-06 |
| 480 | 74.4 | 0.814 | 0.13 | 1.535 | 2.624E-06 |
| 490 | 75.4 | 0.825 | 0.12 | 1.534 | 2.501E-06 |
| 500 | 75.2 | 0.823 | 0.12 | 1.533 | 2.590E-06 |
| 510 | 74.6 | 0.815 | 0.13 | 1.533 | 2.763E-06 |
| 520 | 73.2 | 0.800 | 0.14 | 1.532 | 3.072E-06 |
| 530 | 72.6 | 0.794 | 0.14 | 1.531 | 3.245E-06 |
| 540 | 73.5 | 0.804 | 0.13 | 1.531 | 3.133E-06 |
| 550 | 75.3 | 0.822 | 0.12 | 1.530 | 2.853E-06 |
| 560 | 75.4 | 0.823 | 0.12 | 1.530 | 2.885E-06 |
| 570 | 74.5 | 0.813 | 0.13 | 1.529 | 3.124E-06 |
| 580 | 73.0 | 0.797 | 0.14 | 1.529 | 3.494E-06 |
| 590 | 70.6 | 0.771 | 0.15 | 1.529 | 4.064E-06 |
| 600 | 67.6 | 0.739 | 0.17 | 1.528 | 4.819E-06 |
| 610 | 64.0 | 0.699 | 0.19 | 1.528 | 5.805E-06 |
| 620 | 59.6 | 0.650 | 0.23 | 1.527 | 7.075E-06 |
| 630 | 54.6 | 0.596 | 0.26 | 1.527 | 8.644E-06 |
| 640 | 49.5 | 0.540 | 0.31 | 1.527 | 1.045E-05 |

| λ (nm) | T(%) | τ | OD | n_m | k_m |
|----------------|------|--------|------|-------|-----------|
| 650 | 44.2 | 0.483 | 0.35 | 1.526 | 1.255E-05 |
| 660 | 39.0 | 0.426 | 0.41 | 1.526 | 1.495E-05 |
| 670 | 33.9 | 0.370 | 0.47 | 1.525 | 1.767E-05 |
| 680 | 28.9 | 0.315 | 0.54 | 1.524 | 2.083E-05 |
| 690 | 23.8 | 0.260 | 0.62 | 1.524 | 2.463E-05 |
| 700 | 19.3 | 0.210 | 0.72 | 1.524 | 2.896E-05 |
| 710 | 15.2 | 0.166 | 0.82 | 1.524 | 3.376E-05 |
| 720 | 11.8 | 0.129 | 0.93 | 1.523 | 3.907E-05 |
| 730 | 9.0 | 0.099 | 1.04 | 1.523 | 4.484E-05 |
| 740 | 6.7 | 0.074 | 1.17 | 1.524 | 5.123E-05 |
| 750 | 4.9 | 0.053 | 1.31 | 1.523 | 5.829E-05 |
| 760 | 3.5 | 0.038 | 1.46 | 1.523 | 6.606E-05 |
| 770 | 2.4 | 0.026 | 1.62 | 1.522 | 7.457E-05 |
| 780 | 1.6 | 0.017 | 1.80 | 1.522 | 8.381E-05 |
| 790 | 1.0 | 0.011 | 1.98 | 1.523 | 9.372E-05 |
| 800 | 0.7 | 0.007 | 2.17 | 1.523 | 1.043E-04 |
| 850 | 0.0 | 0.001 | 3.31 | 1.512 | 1.701E-04 |
| 900 | 0.0 | 0.000 | 7.56 | 1.506 | 4.134E-04 |
| 950 | 0.0 | 0.000 | 4.45 | 1.505 | 2.559E-04 |
| 1000 | 0.0 | 0.000 | 4.54 | 1.507 | 2.751E-04 |
| 1050 | 0.0 | 0.000 | 4.45 | 1.506 | 2.828E-04 |
| 1100 | 0.0 | 0.000 | 4.36 | 1.503 | 2.905E-04 |
| 1150 | 0.0 | 0.000 | 4.45 | 1.504 | 3.098E-04 |
| 1200 | 0.0 | 0.000 | 4.33 | 1.503 | 3.151E-04 |
| 1250 | 0.0 | 0.000 | 4.46 | 1.502 | 3.377E-04 |
| 1300 | 0.0 | 0.000 | 4.45 | 1.502 | 3.507E-04 |
| 1350 | 0.0 | 0.000 | 4.45 | 1.502 | 3.642E-04 |
| 1400 | 0.0 | 0.000 | 4.26 | 1.501 | 3.609E-04 |
| 1450 | 0.0 | 0.000 | 4.44 | 1.499 | 3.897E-04 |
| 1500 | 0.0 | 0.000 | 4.41 | 1.500 | 4.010E-04 |

Spectrophotometer used HITACHI U-4100.

Date14/12/09