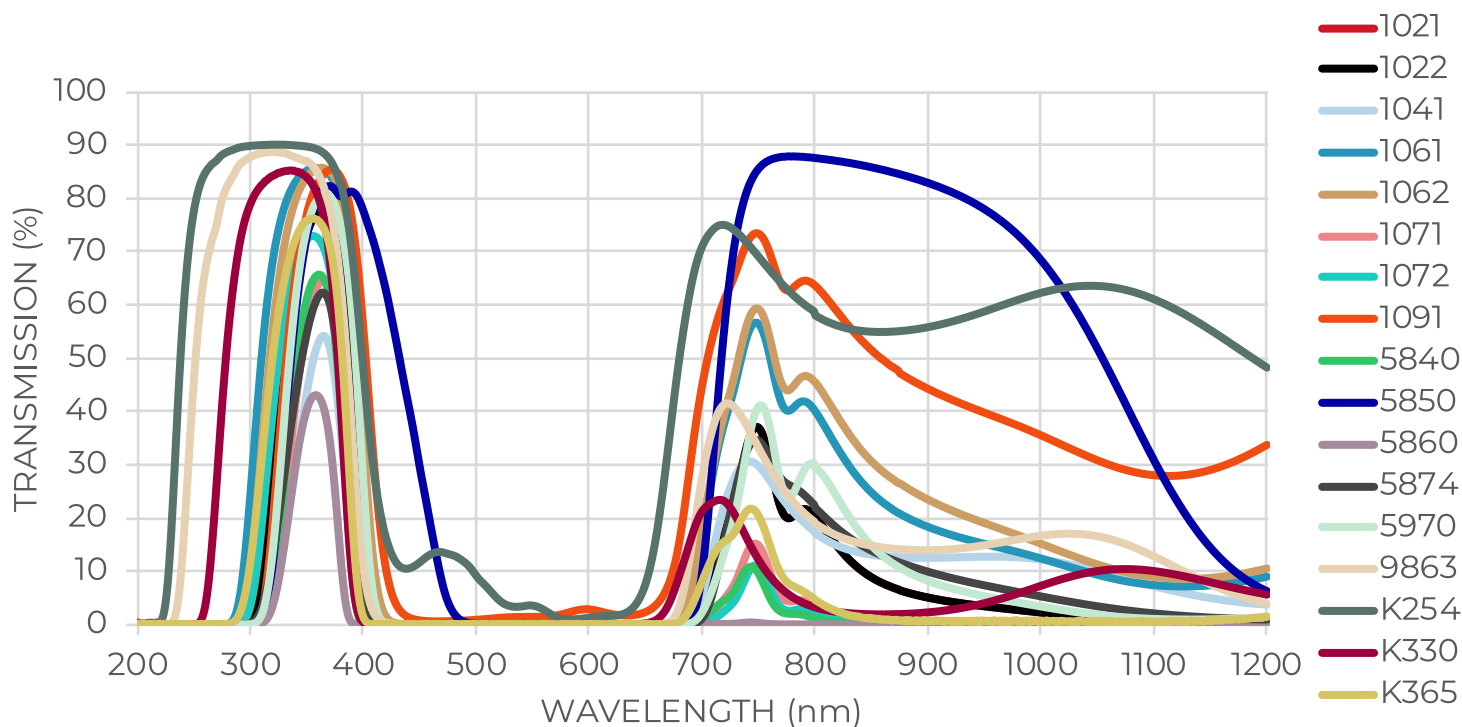




ULTRAVIOLET (UV) BANDPASS

filter glass data sheets



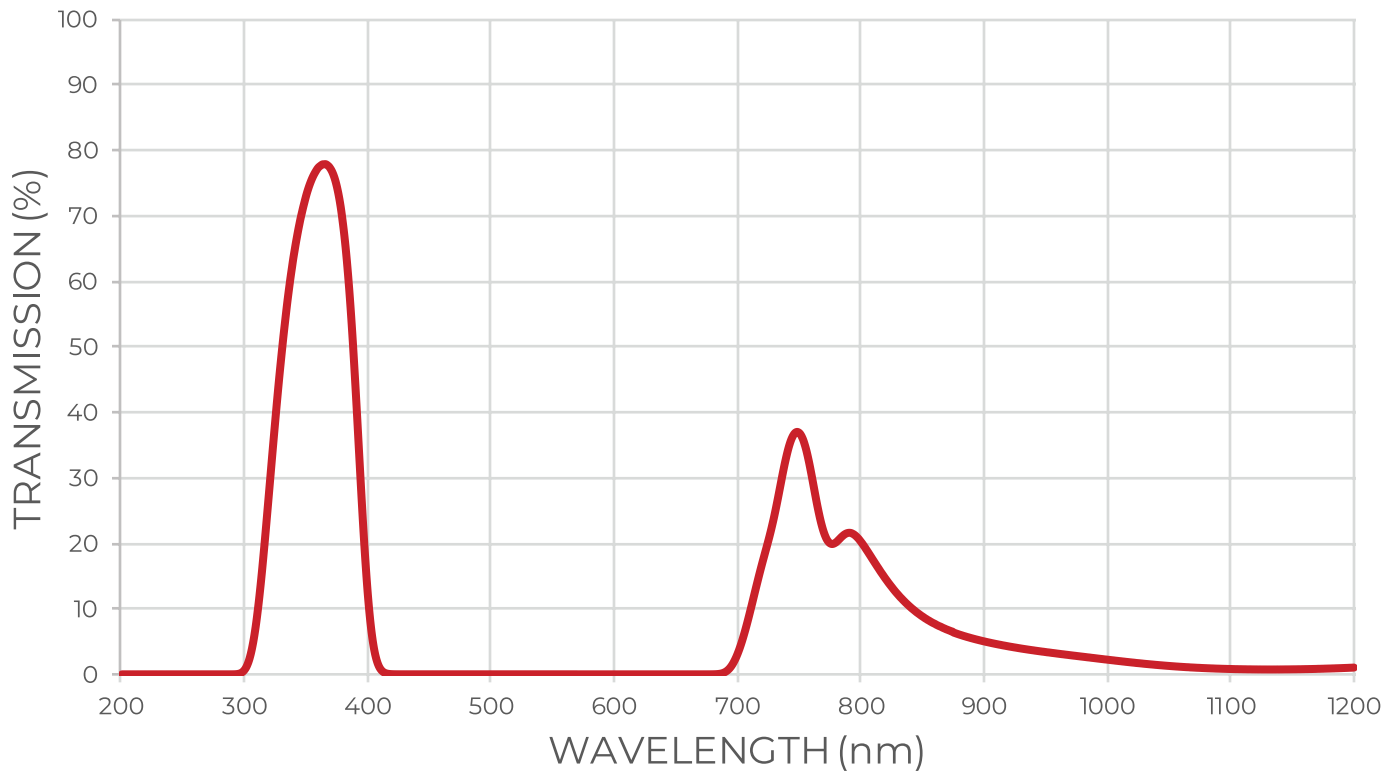
UV TRANSMITTING / VISIBLE ABSORBING GLASS COMPOSITIONS

Click glass product number to jump to data sheet.

1021	1072	5970
1022	1091	9863
1041	5840	K254
1061	5850	K330
1062	5860	K365
1071	5874	

PLEASE NOTE: The transmission curves in this catalog should be understood as typical curves for reference only. Data listed without tolerances are to be understood as reference values.

UV BANDPASS | 1021



OPTICAL PROPERTIES

Wavelength (nm) 365

Transmission (%) > 75

PHYSICAL PROPERTIES

Nominal Thickness Range 3.25 mm

Refractive Index 1.53

Density 2.7 g/cc

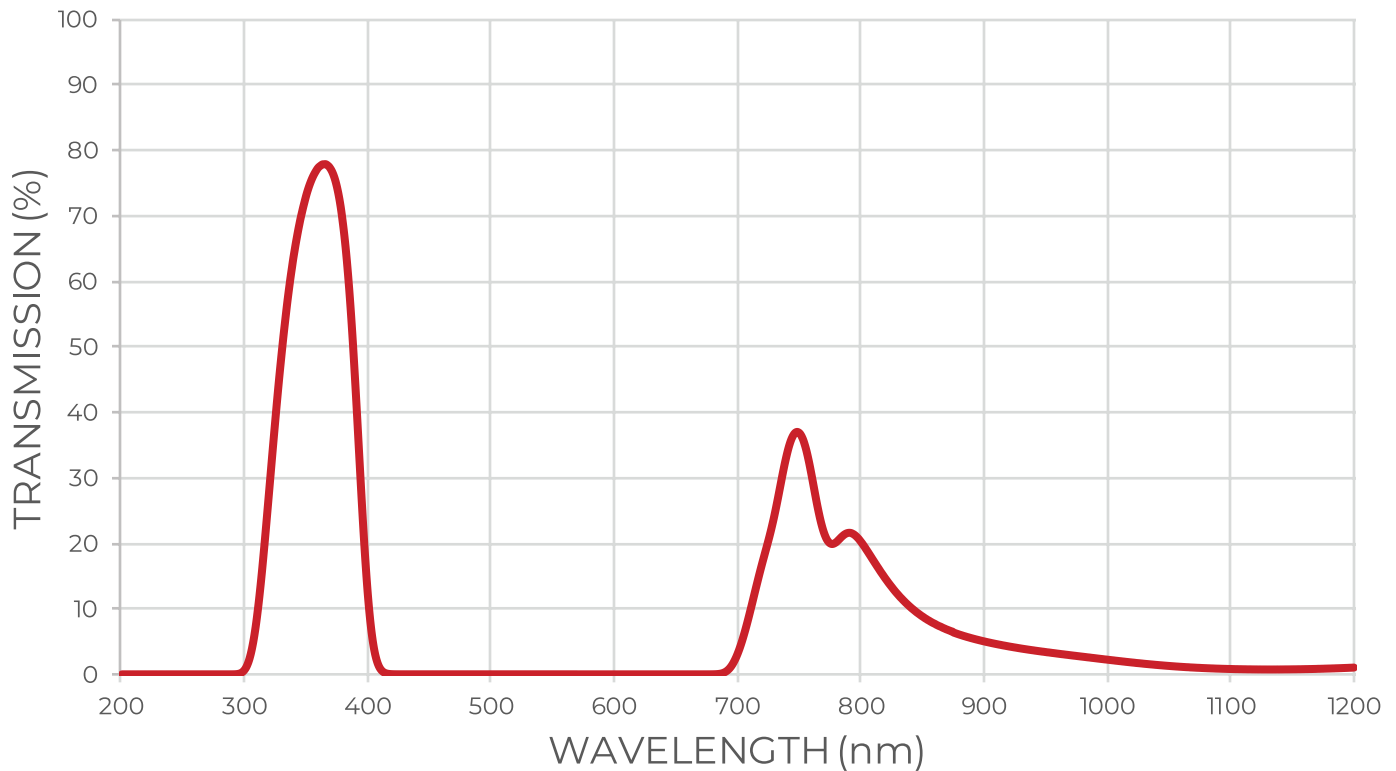
Thermal Expansion $89 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)

Strain Temperature 491 °C

Annealing Temperature 536 °C

Deformation Temperature 562 °C

UV BANDPASS | 1022



OPTICAL PROPERTIES

Wavelength (nm) 365

Transmission (%) > 75

PHYSICAL PROPERTIES

Nominal Thickness Range 5.0 mm

Refractive Index 1.53

Density 2.7 g/cc

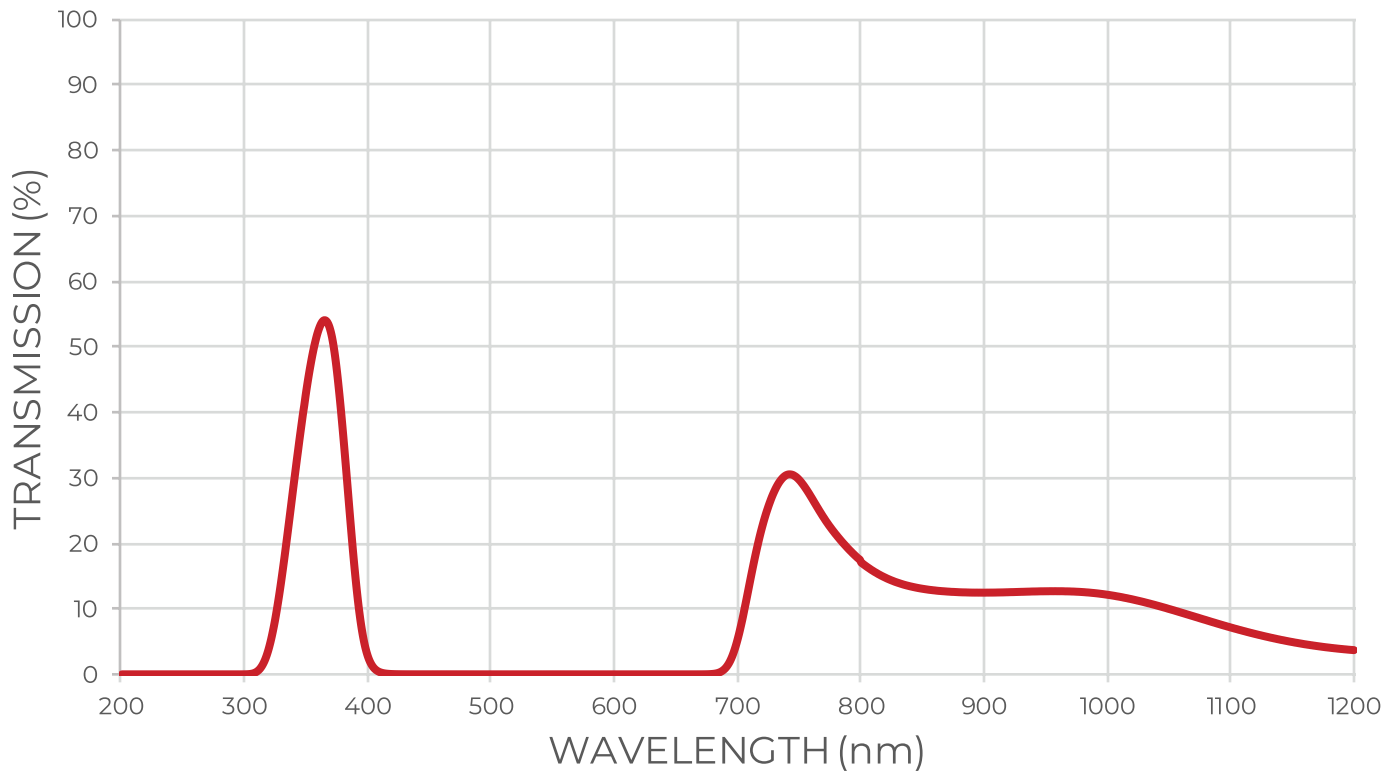
Thermal Expansion $89 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)

Strain Temperature 491 °C

Annealing Temperature 536 °C

Deformation Temperature 562 °C

UV BANDPASS | 1041



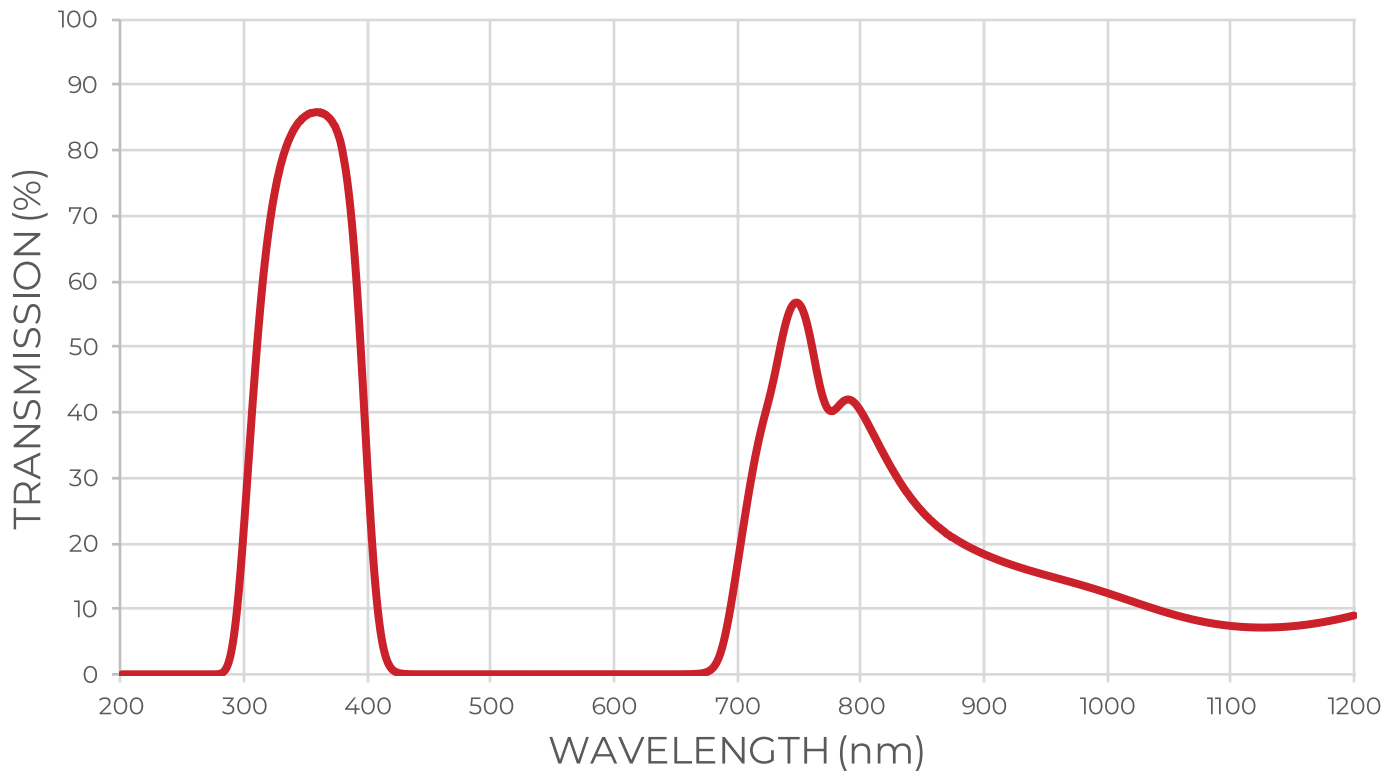
OPTICAL PROPERTIES

Wavelength (nm)	365	405
Transmission (%)	> 47	< 1.2

PHYSICAL PROPERTIES

Nominal Thickness Range	5.0 mm
Refractive Index	1.50
Density	2.38 g/cc
Thermal Expansion	$54 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	458 °C
Annealing Temperature	508 °C
Deformation Temperature	584 °C

UV BANDPASS | 1061



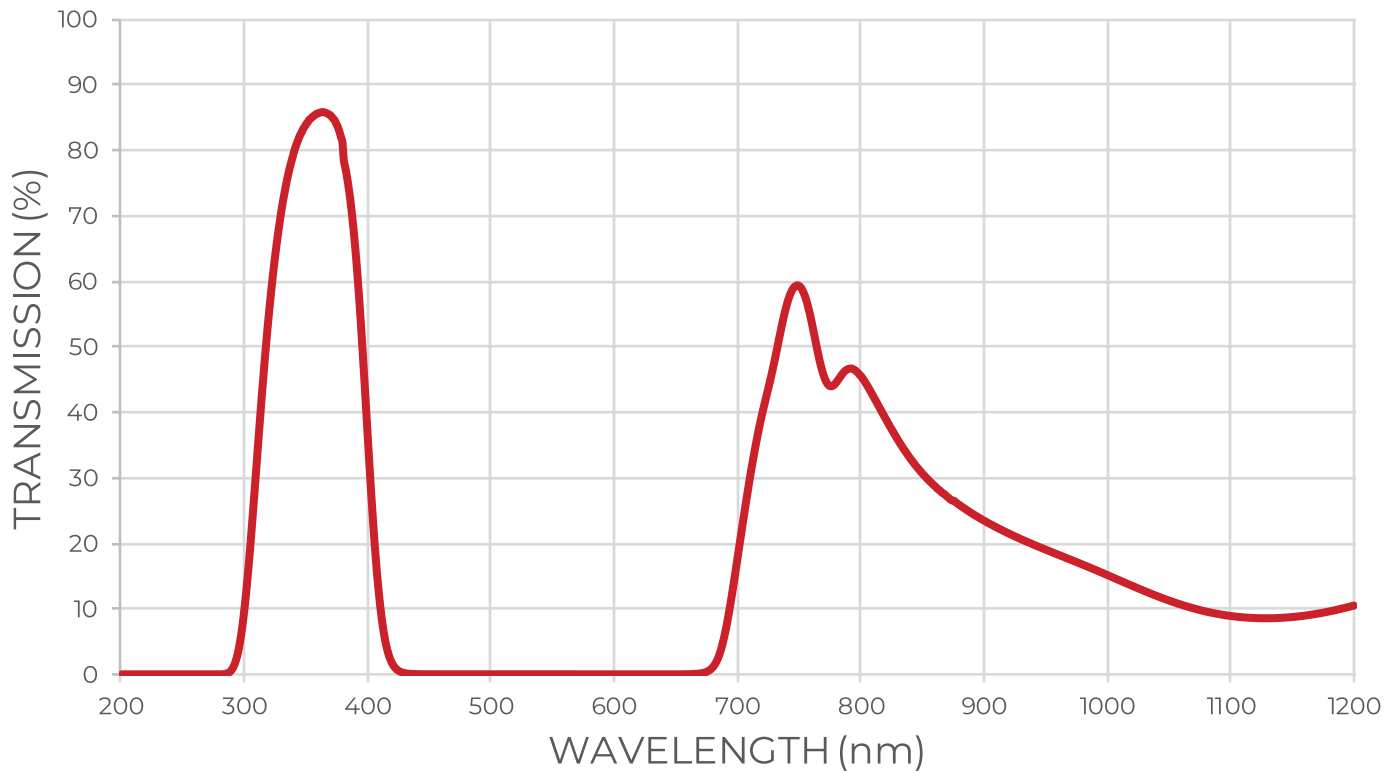
OPTICAL PROPERTIES

Wavelength (nm)	UV Peak
Transmission (%)	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range	3.25 mm
Refractive Index	1.53
Density	2.7 g/cc
Thermal Expansion	$89 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	491 °C
Annealing Temperature	536 °C
Deformation Temperature	562 °C

UV BANDPASS | 1062



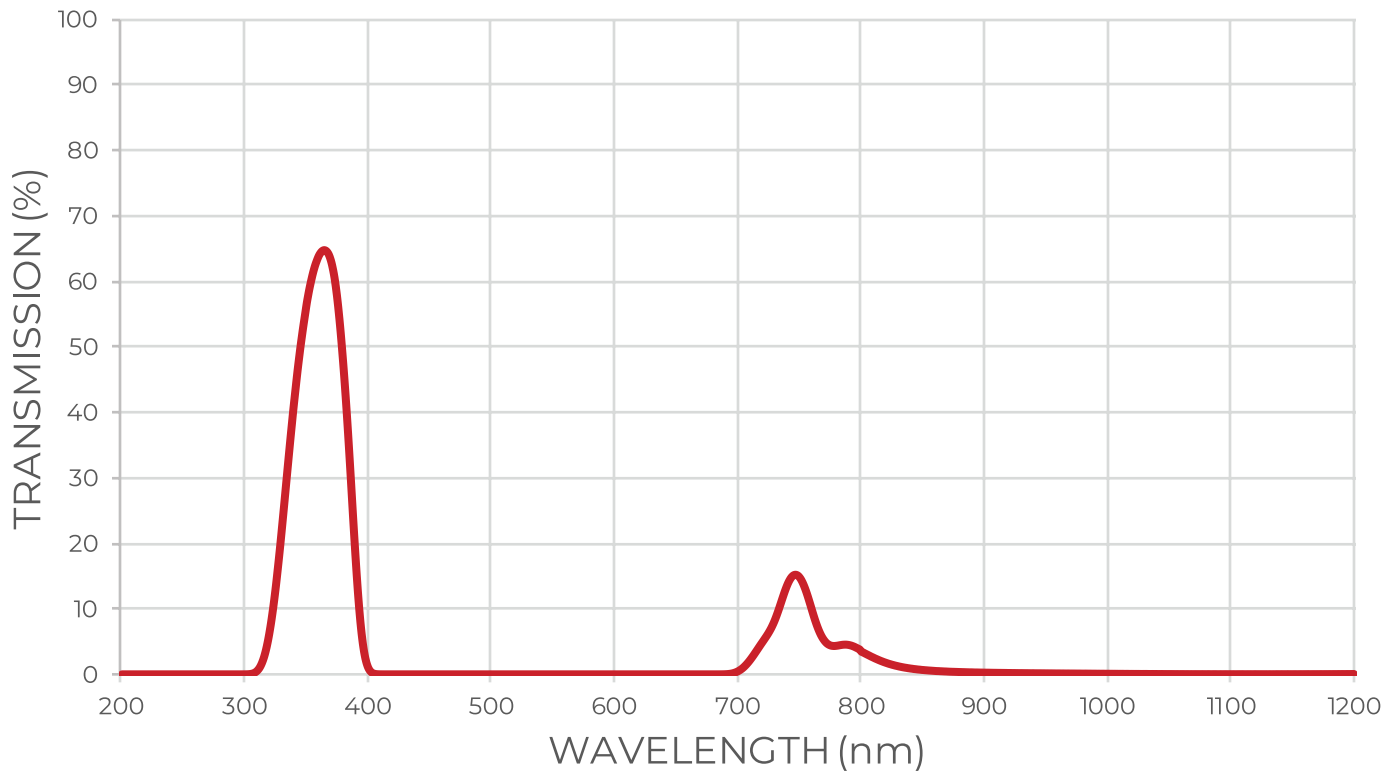
OPTICAL PROPERTIES

Wavelength (nm)	UV Peak
Transmission (%)	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range	3.25 mm
Refractive Index	1.53
Density	2.70 g/cc
Thermal Expansion	$89 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	491 °C
Annealing Temperature	536 °C
Deformation Temperature	562 °C

UV BANDPASS | 1071



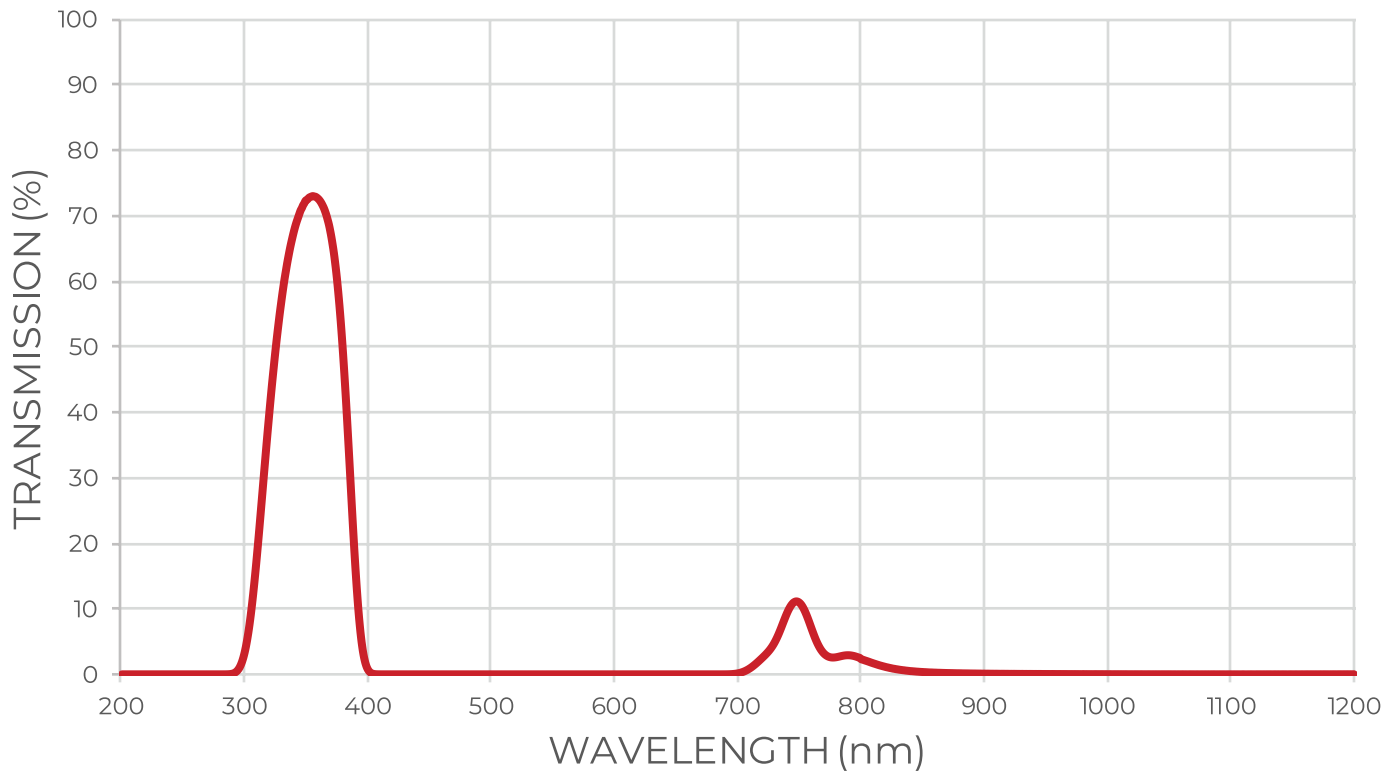
OPTICAL PROPERTIES

Wavelength (nm)	365	405	704
Transmission (%)	> 60	< 2	< 15

PHYSICAL PROPERTIES

Nominal Thickness Range	5.0 mm
Refractive Index	1.53
Density	2.70 g/cc
Thermal Expansion	$89 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	491 °C
Annealing Temperature	536 °C
Deformation Temperature	562 °C

UV BANDPASS | 1072



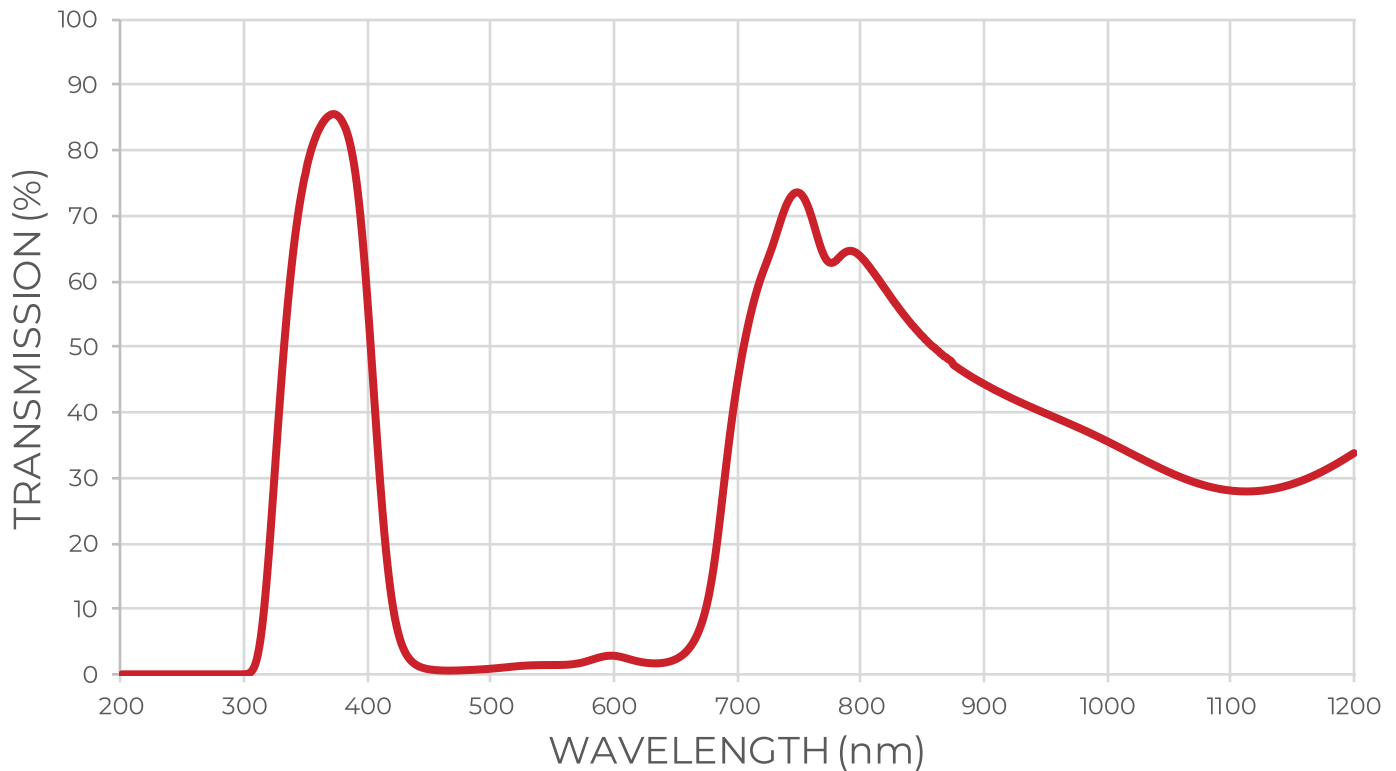
OPTICAL PROPERTIES

Wavelength (nm)	365	405	704
Transmission (%)	> 65	< 2	< 15

PHYSICAL PROPERTIES

Nominal Thickness Range	5.0 mm
Refractive Index	1.53
Density	2.70 g/cc
Thermal Expansion	89 E-7C ⁻¹ (30-300 °C)
Strain Temperature	491 °C
Annealing Temperature	536 °C
Deformation Temperature	562 °C

UV BANDPASS | 1091



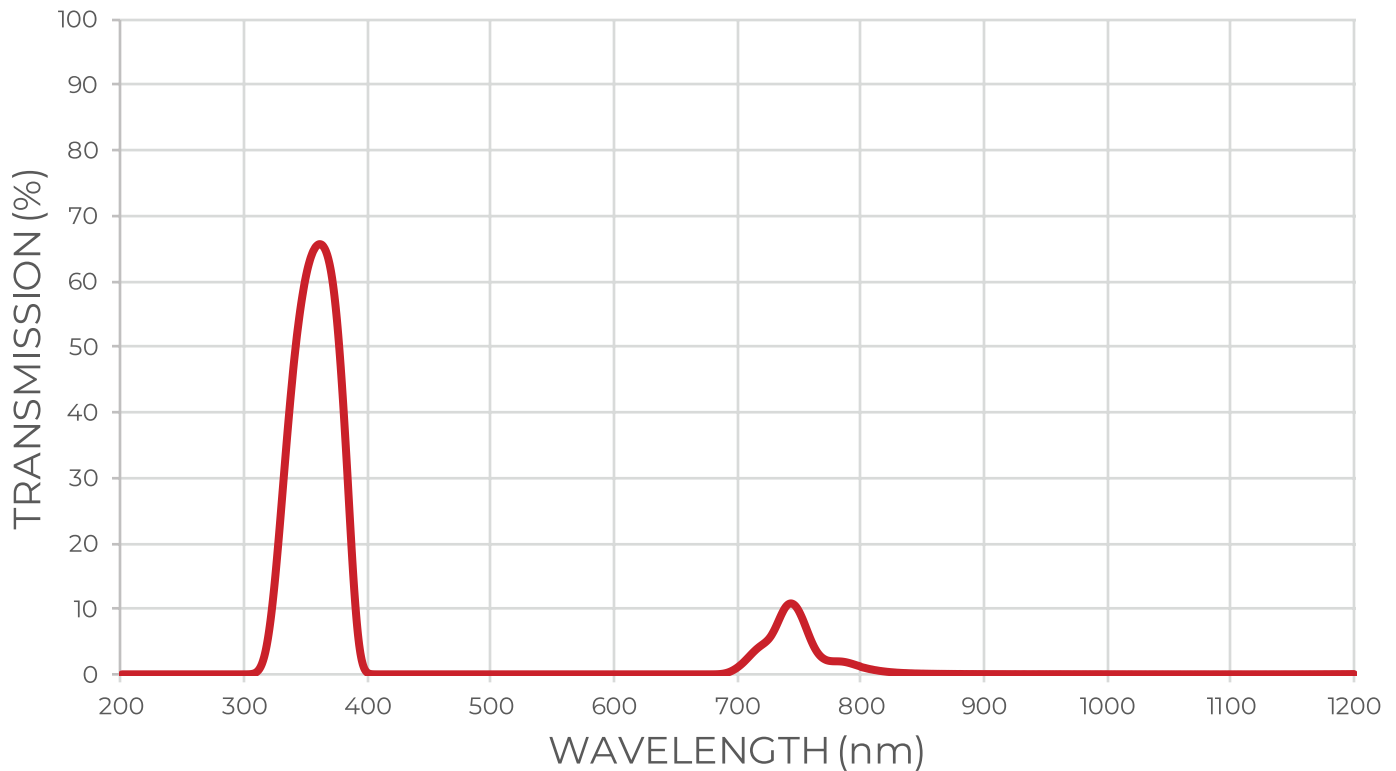
OPTICAL PROPERTIES

Wavelength (nm)	313
Transmission (%)	< 10

PHYSICAL PROPERTIES

Nominal Thickness Range	3.25 mm
Refractive Index	1.53
Density	2.70 g/cc
Thermal Expansion	89 E-7C ⁻¹ (30-300 °C)
Strain Temperature	491 °C
Annealing Temperature	536 °C
Deformation Temperature	562 °C

UV BANDPASS | 5840



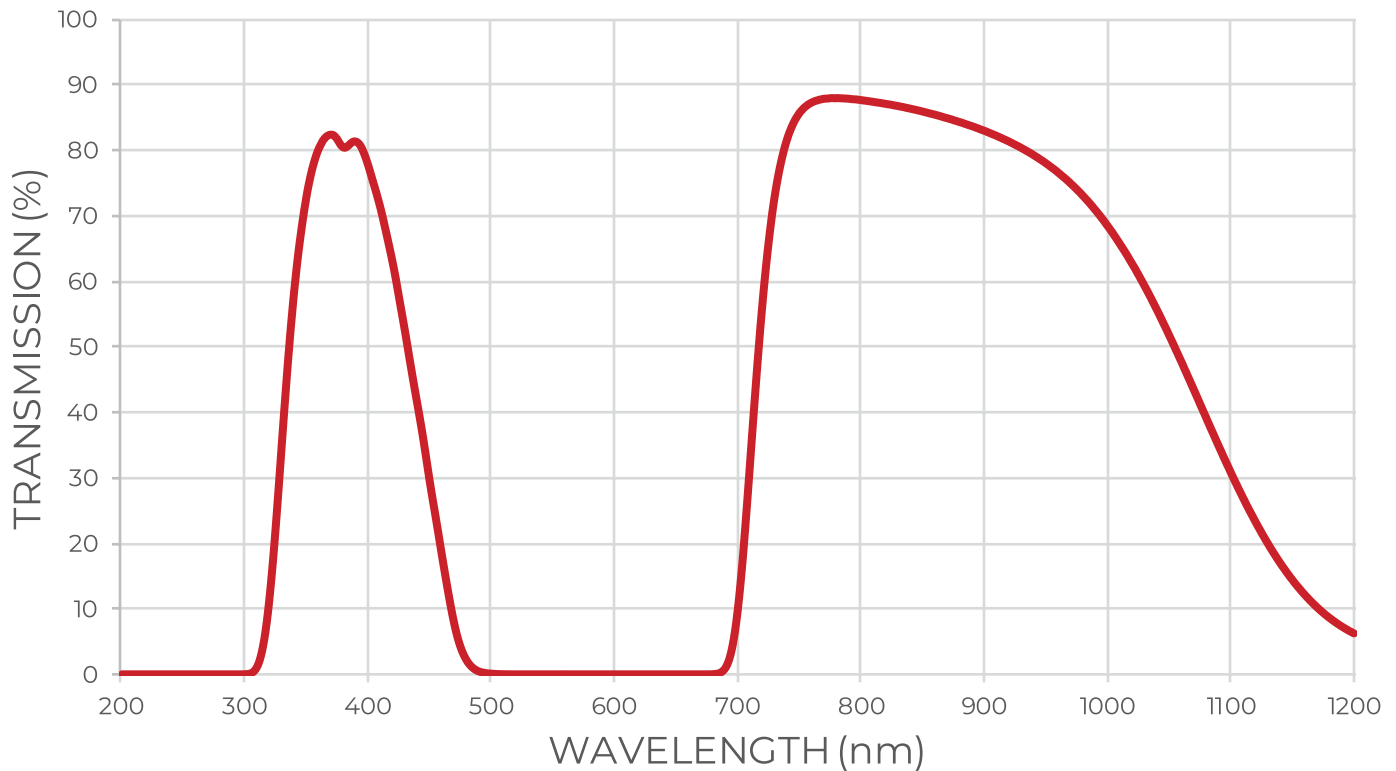
OPTICAL PROPERTIES

Wavelength (nm)	365
Transmission (%)	> 55

PHYSICAL PROPERTIES

Nominal Thickness Range	4.4-4.6 mm
Refractive Index	1.52
Density	2.51 g/cc
Thermal Expansion	$92 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	471 °C
Annealing Temperature	509 °C
Deformation Temperature	683 °C

UV BANDPASS | 5850



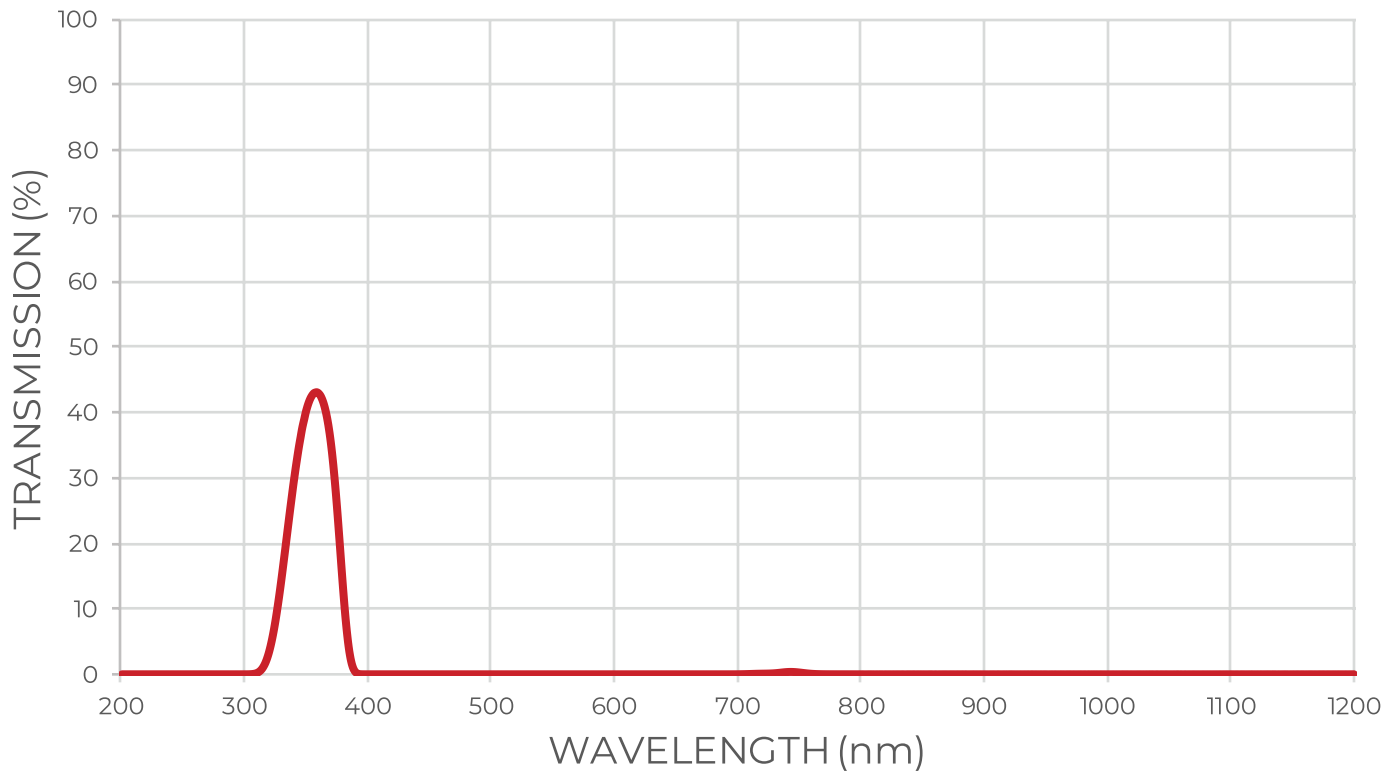
OPTICAL PROPERTIES

Wavelength (nm)	365	405
Transmission (%)	> 82	> 70

PHYSICAL PROPERTIES

Nominal Thickness Range	3.5-4.5 mm
Refractive Index	1.52
Density	2.51 g/cc
Thermal Expansion	92 E ⁻⁷ C ⁻¹ (30-300 °C)
Strain Temperature	471 °C
Annealing Temperature	509 °C
Deformation Temperature	683 °C

UV BANDPASS | 5860



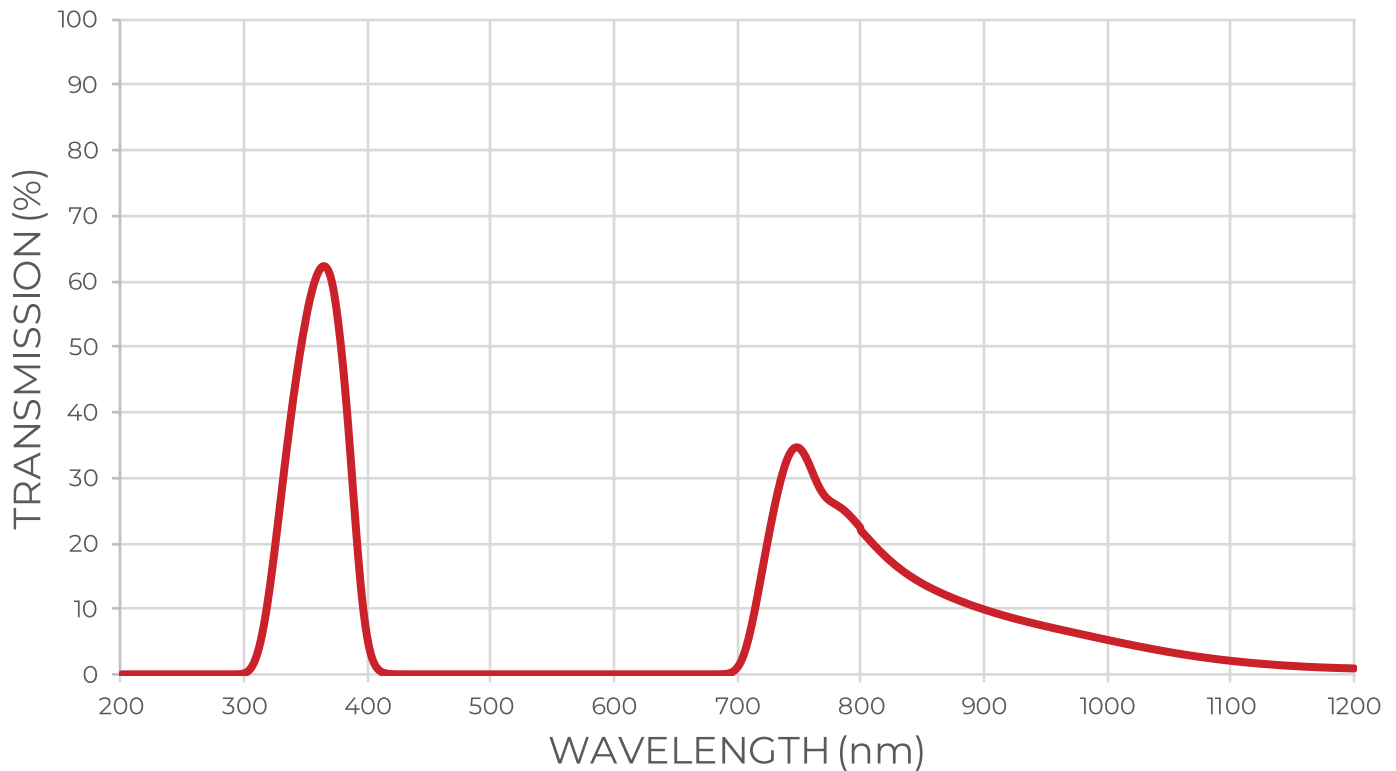
OPTICAL PROPERTIES

Wavelength (nm)	365
Transmission (%)	> 21

PHYSICAL PROPERTIES

Nominal Thickness Range	4.9-5.1 mm
Refractive Index	1.55
Density	2.51 g/cc
Thermal Expansion	$92 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	471 °C
Annealing Temperature	509 °C
Deformation Temperature	683 °C

UV BANDPASS | 5874



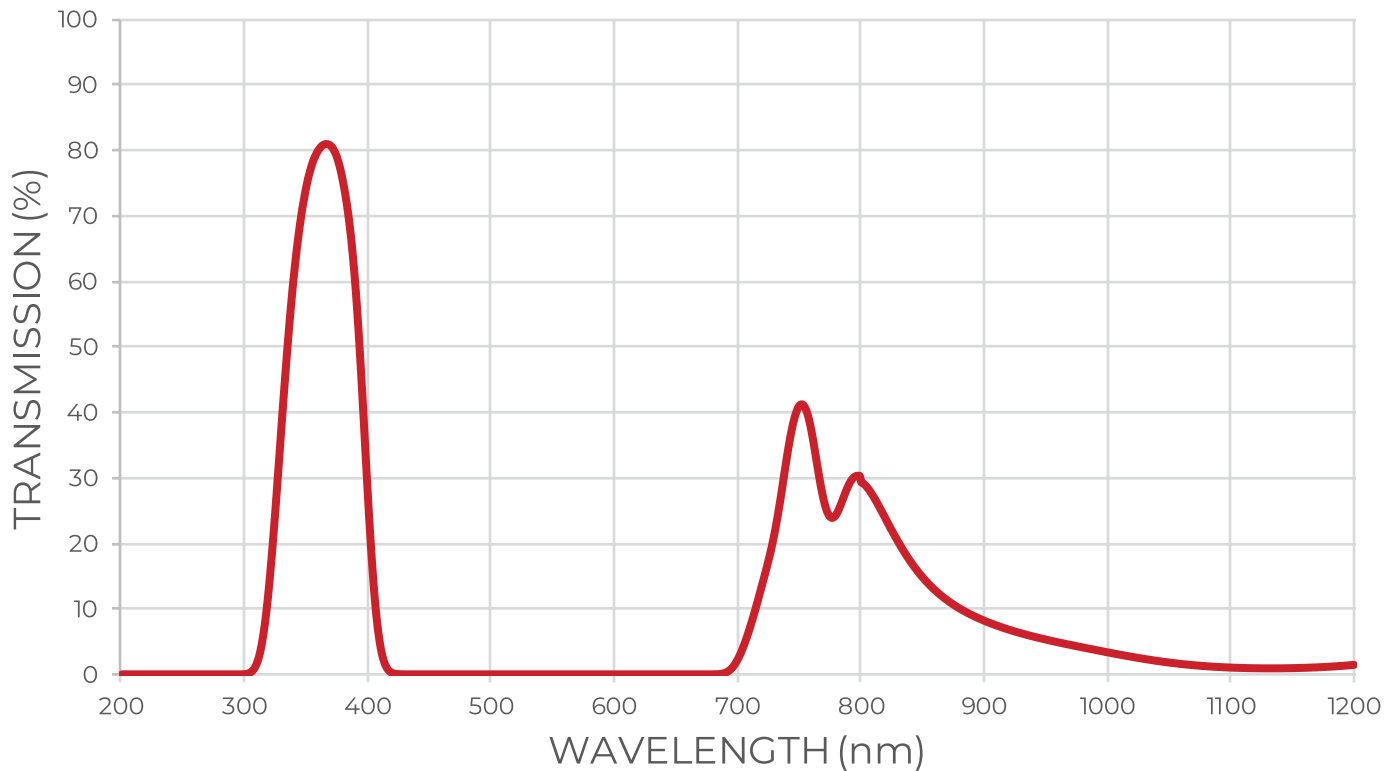
OPTICAL PROPERTIES

Wavelength (nm)	365
Transmission (%)	> 50

PHYSICAL PROPERTIES

Nominal Thickness Range	4.9-5.1 mm
Refractive Index	1.49
Density	2.33 g/cm ³
Thermal Expansion	44 E-7C ⁻¹ (30-300 °C)
Strain Temperature	532 °C
Annealing Temperature	572° C
Deformation Temperature	794°C

UV BANDPASS | 5970



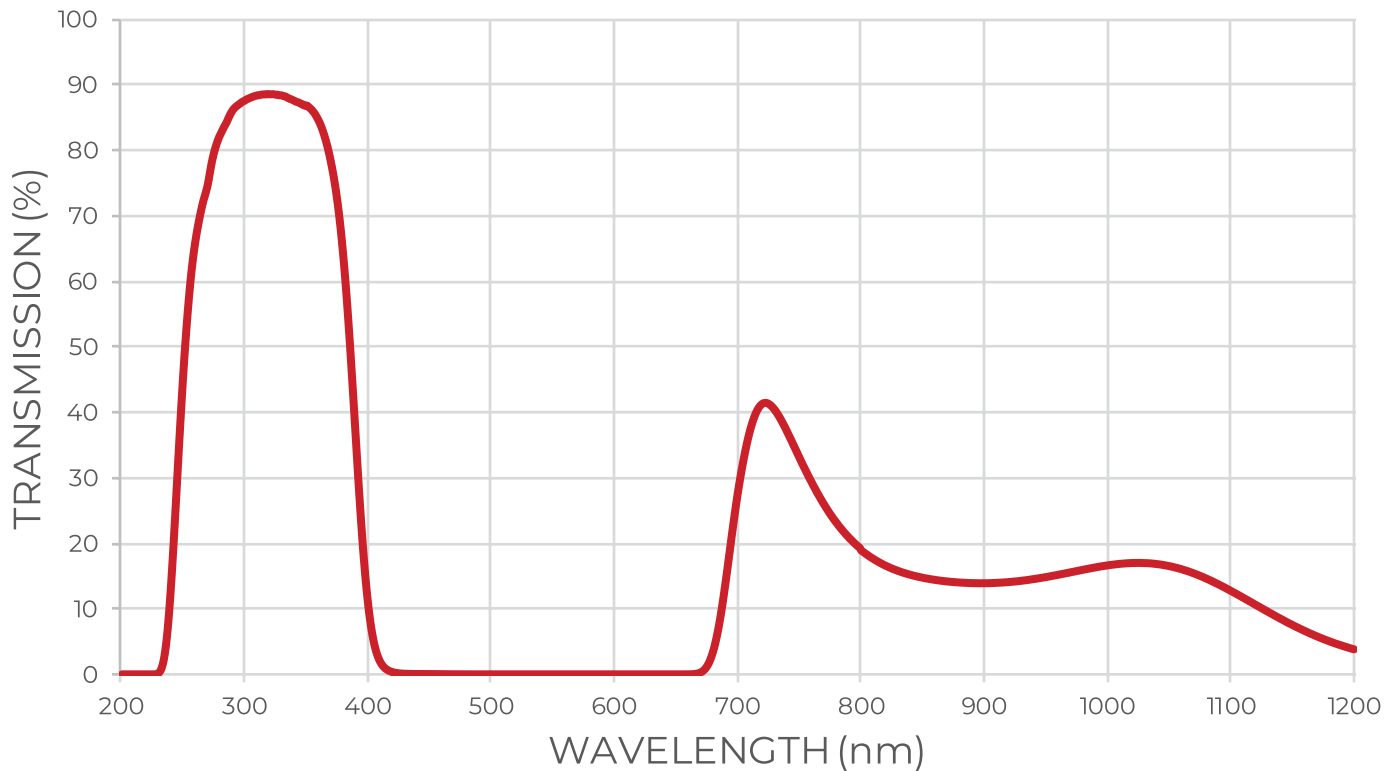
OPTICAL PROPERTIES

Wavelength (nm)	365
Transmission (%)	> 80

PHYSICAL PROPERTIES

Nominal Thickness Range	4.9-5.1 mm
Refractive Index	1.55
Density	2.94 g/cc
Thermal Expansion	112 E ⁻⁷ C ⁻¹ (30-300 °C)
Strain Temperature	500 °C
Annealing Temperature	541 °C
Deformation Temperature	717 °C

UV BANDPASS | 9863



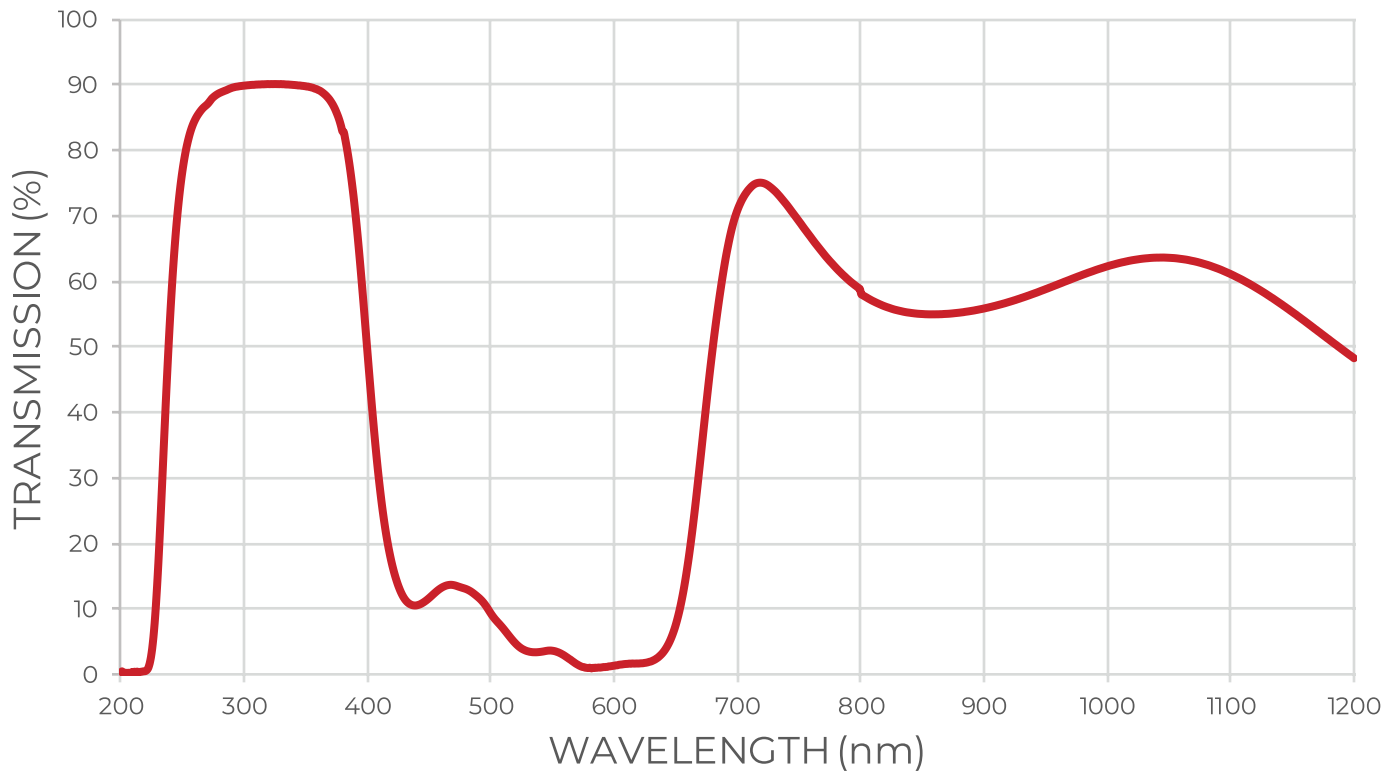
OPTICAL PROPERTIES

Wavelength (nm)	254
Transmission (%)	> 40

PHYSICAL PROPERTIES

Nominal Thickness Range	2.9-3.1 mm
Refractive Index	1.55
Density	2.86 g/cc
Thermal Expansion	$97 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	454 °C
Annealing Temperature	498 °C
Deformation Temperature	517 °C

UV BANDPASS | K254



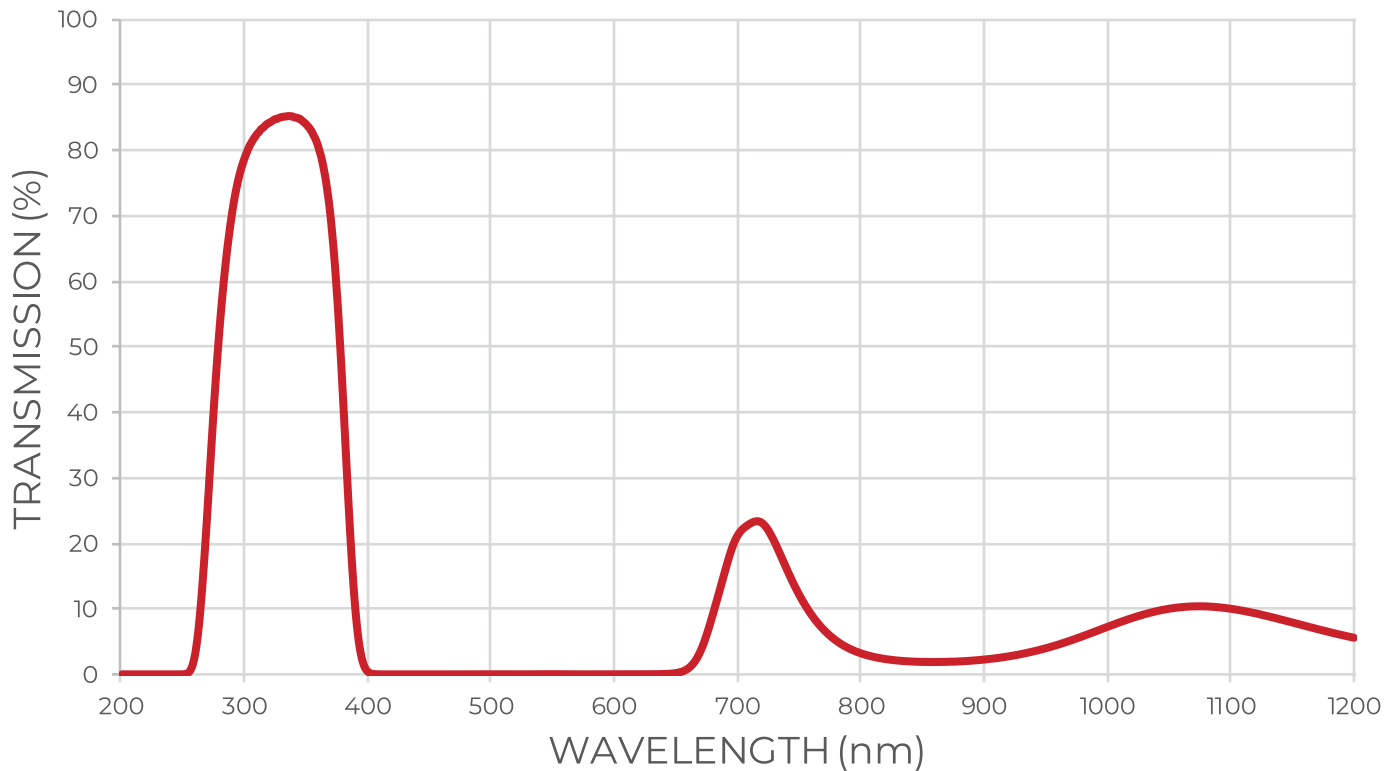
OPTICAL PROPERTIES

Wavelength (nm)	254	308	405	546	633	725
Transmission (%)	> 72	> 85	< 47	< 5	< 5	< 82

PHYSICAL PROPERTIES

Nominal Thickness Range	1.0 mm
Refractive Index	1.54
Density	2.95 g/cc
Thermal Expansion	98 E ⁻⁷ C ⁻¹ (30-300 °C)
Strain Temperature	426 °C
Annealing Temperature	491 °C
Deformation Temperature	510 °C

UV BANDPASS | K330



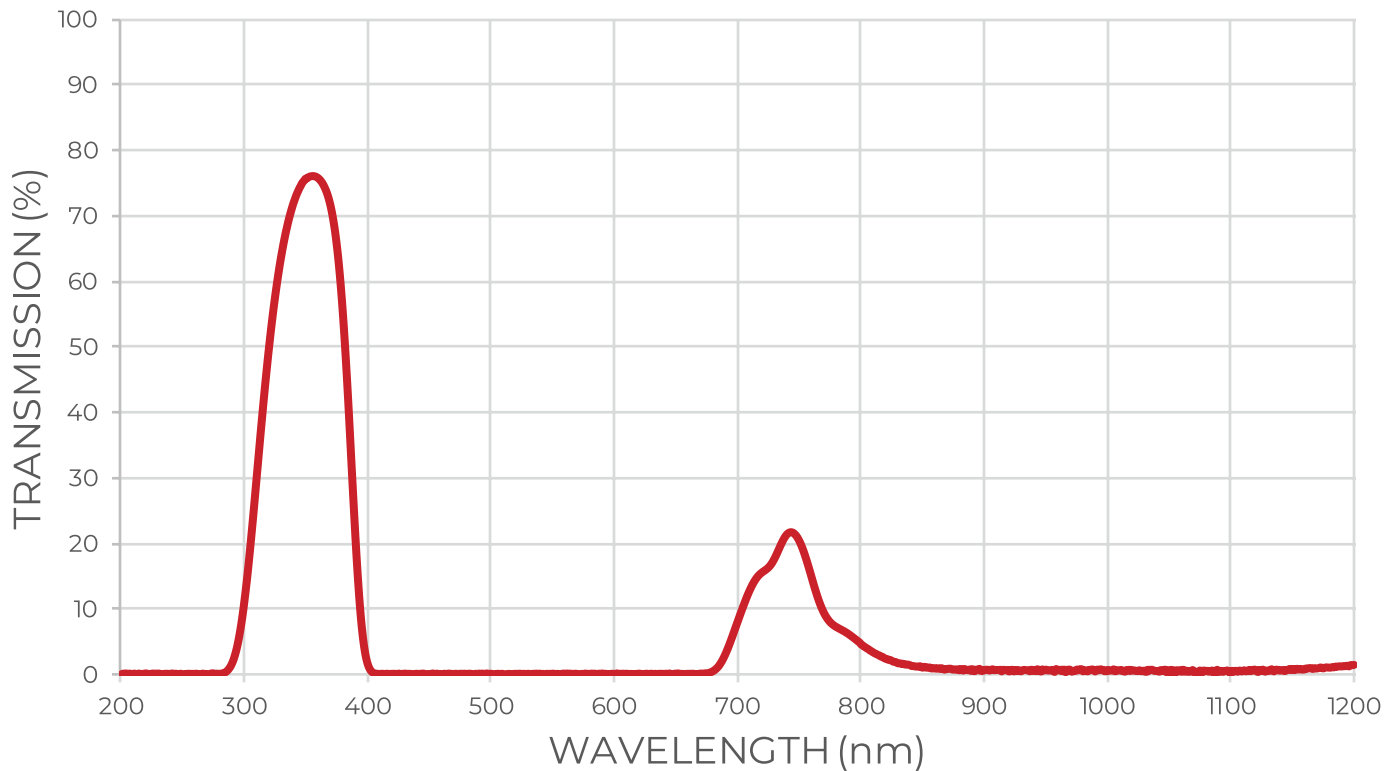
OPTICAL PROPERTIES

Wavelength (nm)	265	334	405	694	725
Transmission (%)	> 5	> 80	< 1	< 25	< 30

PHYSICAL PROPERTIES

Nominal Thickness Range	1.0 mm
Refractive Index	1.57
Density	2.99 g/cc
Thermal Expansion	$101 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	402 °C
Annealing Temperature	549 °C
Deformation Temperature	566 °C

UV BANDPASS | K365



OPTICAL PROPERTIES

Wavelength (nm)	365	405	694	750
Transmission (%)	> 72	< 10	< 6	< 50

PHYSICAL PROPERTIES

Nominal Thickness Range	1.0 mm
Refractive Index	1.55
Density	2.51 g/cc
Thermal Expansion	$92 \text{ E}^{-7} \text{C}^{-1}$ (30-300 °C)
Strain Temperature	471 °C
Annealing Temperature	509 °C
Deformation Temperature	683 °C



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We refine product designs alongside customers to help them reduce costs and increase yields. While our solutions are crafted to perform in some of the harshest environments on Earth, they're also designed to help the performance of our customers' bottom lines.

RESPONSIVENESS

Kopp Glass is a small manufacturer, but the design and production challenges we face every working day are huge. Our customers see the difference in how we respond to them and in how our team responds to each other.

ON-TIME IN-SPEC DELIVERY

Kopp Glass works to ensure the mission-critical, molded glass components we ship meet your standards—the first time.

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Year Founded 1926

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Location Pittsburgh, PA USA

No. of Employees 110

Mfg. Sq. Ft. 127,000

Quality System ISO: 9001:2015