

GG395

Reflection factor

P_d	0.92
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Reference thickness

d [mm]	3
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Spectral values guaranteed

λ_c ($\tau_i = 0.50$) [nm]	=	395	± 6
λ_s ($\tau_{is} = 1 \cdot 10^{-5}$) [nm]	=	340	
λ_p ($\tau_{ip} = 0.92$) [nm]	=	480	

Refractive index n

λ [nm]	Element	n
546	Hg	1.52
587.6	He	1.52
852.1	Cs	1.52
1014	Hg	1.51

Density

ρ [g/cm ³]	2.55
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Bubble content

Bubble class	3
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Chemical resistance

FR class	0
SR class	1.0
AR class	1.0

Transformation temperature

T _g [°C]	538
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Thermal expansion

$\alpha_{-30/+70^\circ\text{C}}$ [10 ⁻⁶ /K]	7.8
$\alpha_{20/300^\circ\text{C}}$ [10 ⁻⁶ /K]	9.0
$\alpha_{20/200^\circ\text{C}}$ [10 ⁻⁶ /K]	

Temperature coefficient

T _k [nm/°C]	0.07
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Notes

Colloidally colored glass

Long pass filter

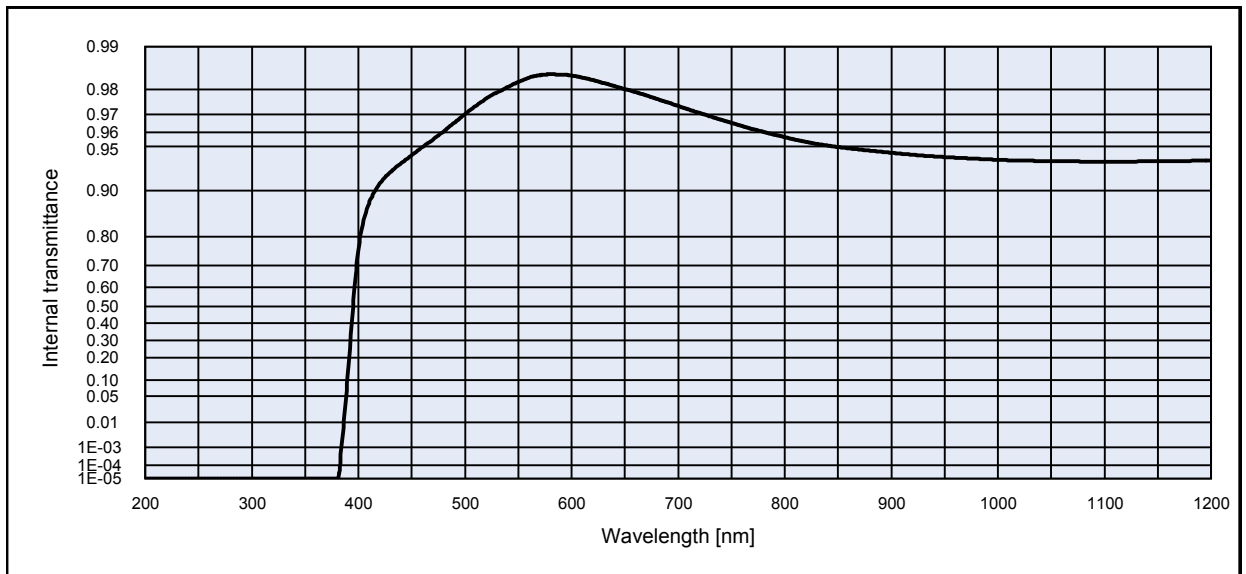
All data without tolerances are to be understood to be reference values. Guaranteed values are only those values listed in the section "Spectral values guaranteed".

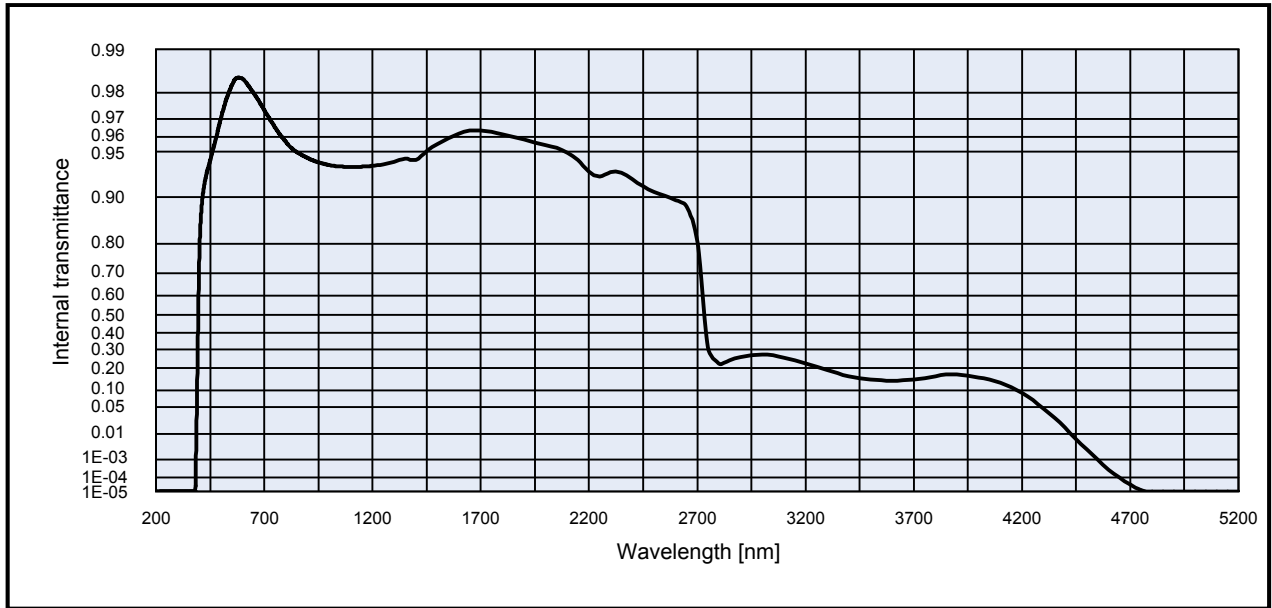
Colorimetric evaluation

Illuminant	A (Planck T = 2856 K)		
	1	2	3
d [mm]			
x	0.448	0.449	0.450
y	0.408	0.409	0.410
Y	91	91	90
λ_d [nm]	581	581	581
P _e	0.01	0.02	0.03

Illuminant	Planck T = 3200 K		
	1	2	3
d [mm]			
x	0.424	0.425	0.426
y	0.400	0.401	0.402
Y	91	91	90
λ_d [nm]	579	579	579
P _e	0.01	0.02	0.03

Illuminant	D65 (T _c = 6504 K)		
	1	2	3
d [mm]			
x	0.314	0.315	0.316
y	0.331	0.332	0.334
Y	91	90	90
λ_d [nm]	570	570	571
P _e	0.01	0.02	0.02





Internal transmittance τ_i at reference thickness d [mm] = 3
The internal transmittance values, tabulated and graphically represented, are reference values only

λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i	λ [nm]	τ_i
200	< 1.0E-05	500	9.7E-01	800	9.6E-01	1100	9.4E-01	2200	9.3E-01	3700	1.4E-01
210	< 1.0E-05	510	9.7E-01	810	9.6E-01	1110	9.4E-01	2250	9.3E-01	3750	1.5E-01
220	< 1.0E-05	520	9.8E-01	820	9.5E-01	1120	9.4E-01	2300	9.3E-01	3800	1.6E-01
230	< 1.0E-05	530	9.8E-01	830	9.5E-01	1130	9.4E-01	2350	9.3E-01	3850	1.7E-01
240	< 1.0E-05	540	9.8E-01	840	9.5E-01	1140	9.4E-01	2400	9.2E-01	3900	1.7E-01
250	< 1.0E-05	550	9.8E-01	850	9.5E-01	1150	9.4E-01	2450	9.1E-01	3950	1.6E-01
260	< 1.0E-05	560	9.8E-01	860	9.5E-01	1160	9.4E-01	2500	9.1E-01	4000	1.5E-01
270	< 1.0E-05	570	9.8E-01	870	9.5E-01	1170	9.4E-01	2550	9.0E-01	4050	1.4E-01
280	< 1.0E-05	580	9.8E-01	880	9.5E-01	1180	9.4E-01	2600	9.0E-01	4100	1.3E-01
290	< 1.0E-05	590	9.8E-01	890	9.5E-01	1190	9.4E-01	2650	8.8E-01	4150	1.1E-01
300	< 1.0E-05	600	9.8E-01	900	9.4E-01	1200	9.4E-01	2700	8.0E-01	4200	9.2E-02
310	< 1.0E-05	610	9.8E-01	910	9.4E-01	1250	9.4E-01	2750	3.2E-01	4250	6.8E-02
320	< 1.0E-05	620	9.8E-01	920	9.4E-01	1300	9.4E-01	2800	2.2E-01	4300	4.6E-02
330	< 1.0E-05	630	9.8E-01	930	9.4E-01	1350	9.4E-01	2850	2.4E-01	4350	2.9E-02
340	< 1.0E-05	640	9.8E-01	940	9.4E-01	1400	9.4E-01	2900	2.6E-01	4400	1.6E-02
350	< 1.0E-05	650	9.8E-01	950	9.4E-01	1450	9.5E-01	2950	2.7E-01	4450	6.9E-03
360	< 1.0E-05	660	9.8E-01	960	9.4E-01	1500	9.6E-01	3000	2.7E-01	4500	2.8E-03
370	< 1.0E-05	670	9.8E-01	970	9.4E-01	1550	9.6E-01	3050	2.7E-01	4550	9.9E-04
380	< 1.0E-05	680	9.8E-01	980	9.4E-01	1600	9.6E-01	3100	2.6E-01	4600	3.0E-04
390	1.1E-01	690	9.8E-01	990	9.4E-01	1650	9.6E-01	3150	2.4E-01	4650	9.9E-05
400	7.6E-01	700	9.7E-01	1000	9.4E-01	1700	9.6E-01	3200	2.2E-01	4700	3.3E-05
410	8.8E-01	710	9.7E-01	1010	9.4E-01	1750	9.6E-01	3250	2.1E-01	4750	1.2E-05
420	9.1E-01	720	9.7E-01	1020	9.4E-01	1800	9.6E-01	3300	1.9E-01	4800	< 1.0E-05
430	9.3E-01	730	9.7E-01	1030	9.4E-01	1850	9.6E-01	3350	1.7E-01	4850	< 1.0E-05
440	9.3E-01	740	9.7E-01	1040	9.4E-01	1900	9.6E-01	3400	1.6E-01	4900	< 1.0E-05
450	9.4E-01	750	9.7E-01	1050	9.4E-01	1950	9.6E-01	3450	1.5E-01	4950	< 1.0E-05
460	9.5E-01	760	9.6E-01	1060	9.4E-01	2000	9.5E-01	3500	1.4E-01	5000	< 1.0E-05
470	9.6E-01	770	9.6E-01	1070	9.4E-01	2050	9.5E-01	3550	1.4E-01	5050	< 1.0E-05
480	9.6E-01	780	9.6E-01	1080	9.4E-01	2100	9.5E-01	3600	1.4E-01	5100	< 1.0E-05
490	9.7E-01	790	9.6E-01	1090	9.4E-01	2150	9.4E-01	3650	1.4E-01	5150	< 1.0E-05