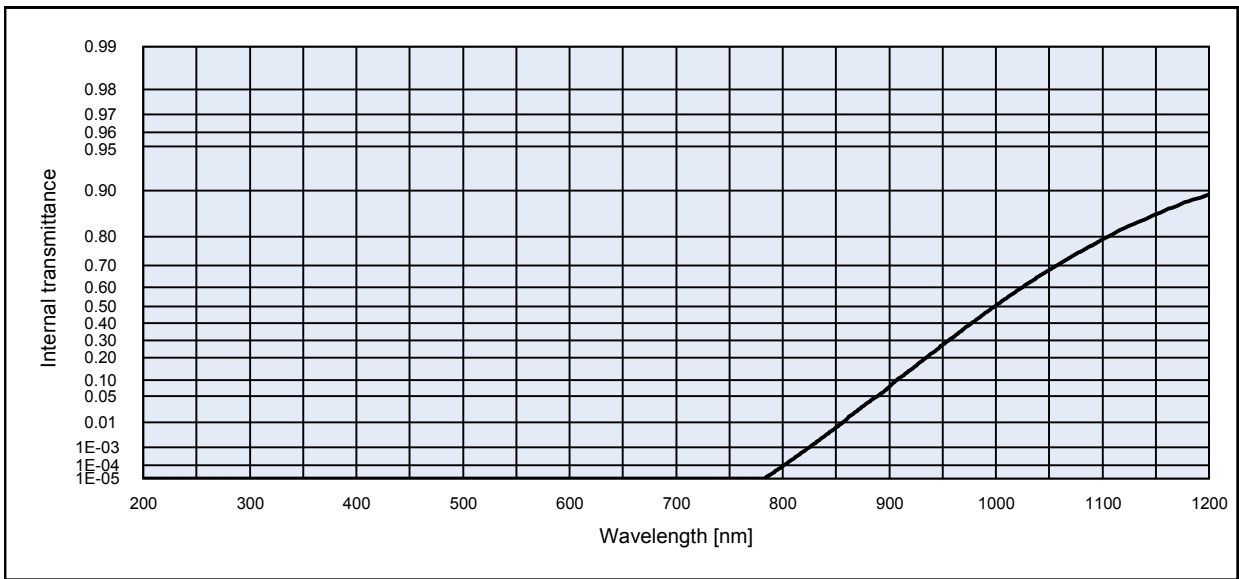
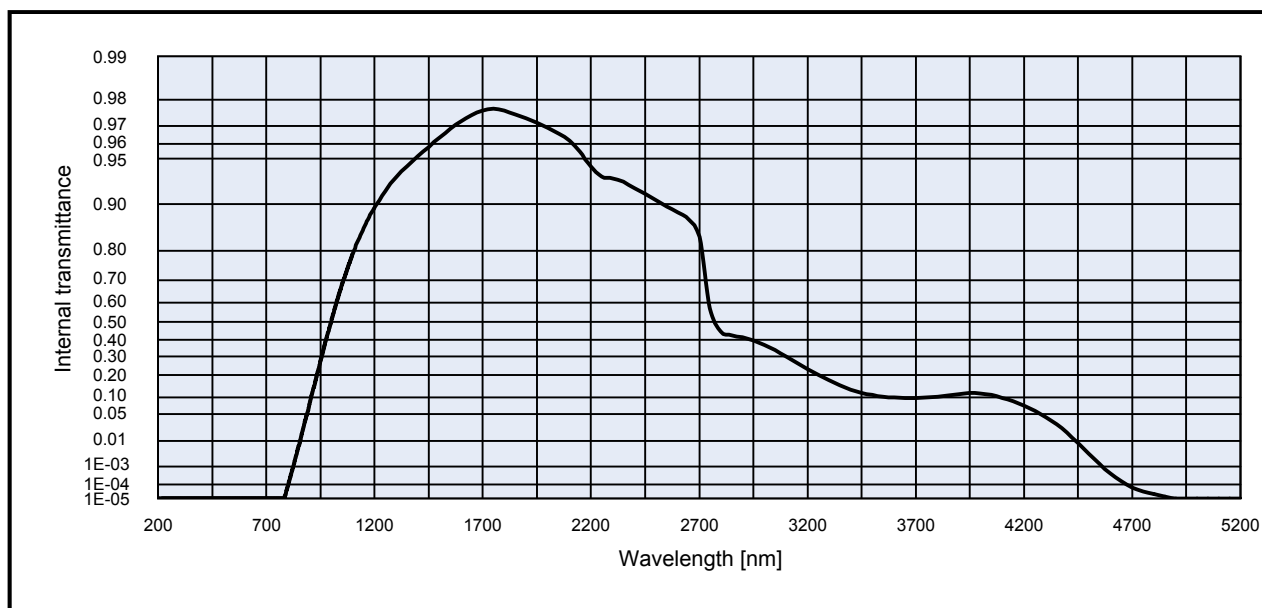


<b>RG1000</b>			<b>Density</b>		<b>Notes</b>		
			$\rho$ [g/cm <sup>3</sup> ]		2.73		
<b>Reflection factor</b>			<b>Bubble content</b>				Ionically colored glass
$P_d$			Bubble class				Long pass filter
0.91			3				
<b>Reference thickness</b>			<b>Chemical resistance</b>				
d [mm]			FR class				
3			SR class				
			AR class				
			1.0				
			1.0				
<b>Spectral values guaranteed</b>			<b>Transformation temperature</b>				
$\lambda_c$ ( $\tau_i = 0.50$ ) [nm] = 1000 $\pm$ 6			T <sub>g</sub> [°C]				476
$\lambda_s$ ( $\tau_{is} = 1 \cdot 10^{-5}$ ) [nm] = 730			<b>Thermal expansion</b>				
$\lambda_p$ ( $\tau_{ip} = 0.90$ ) [nm] = 1300			$\alpha_{-30/+70^\circ\text{C}}$ [10 <sup>-6</sup> /K]				9.0
			$\alpha_{20/300^\circ\text{C}}$ [10 <sup>-6</sup> /K]				10.3
			$\alpha_{20/200^\circ\text{C}}$ [10 <sup>-6</sup> /K]				
			<b>Temperature coefficient</b>				
			T <sub>k</sub> [nm/°C]				0.41
<b>Refractive index n</b>							
$\lambda$ [nm]	Element	n					
587.6	He	1.54					
852.1	Cs	1.53					
1014	Hg	1.53					

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 )			Illuminant	Planck T = 3200 K			Illuminant	D65 ( T <sub>c</sub> = 6504 K )		
d [mm]	1	2	3	d [mm]	1	2	3	d [mm]	1	2	3
x				x				x			
y				y				y			
Y				Y				Y			
$\lambda_d$ [nm]				$\lambda_d$ [nm]				$\lambda_d$ [nm]			
P <sub>e</sub>				P <sub>e</sub>				P <sub>e</sub>			





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

$\lambda$ [nm]	$\tau_i$	$\lambda$ [nm]	$\tau_i$	$\lambda$ [nm]	$\tau_i$	$\lambda$ [nm]	$\tau_i$	$\lambda$ [nm]	$\tau_i$	$\lambda$ [nm]	$\tau_i$
200	< 1.0E-05	500	< 1.0E-05	800	8.4E-05	1100	7.9E-01	2200	9.4E-01	3700	9.8E-02
210	< 1.0E-05	510	< 1.0E-05	810	2.5E-04	1110	8.1E-01	2250	9.3E-01	3750	1.0E-01
220	< 1.0E-05	520	< 1.0E-05	820	6.5E-04	1120	8.2E-01	2300	9.3E-01	3800	1.0E-01
230	< 1.0E-05	530	< 1.0E-05	830	1.6E-03	1130	8.4E-01	2350	9.3E-01	3850	1.1E-01
240	< 1.0E-05	540	< 1.0E-05	840	3.4E-03	1140	8.5E-01	2400	9.2E-01	3900	1.1E-01
250	< 1.0E-05	550	< 1.0E-05	850	6.8E-03	1150	8.6E-01	2450	9.1E-01	3950	1.2E-01
260	< 1.0E-05	560	< 1.0E-05	860	1.3E-02	1160	8.7E-01	2500	9.1E-01	4000	1.2E-01
270	< 1.0E-05	570	< 1.0E-05	870	2.2E-02	1170	8.7E-01	2550	9.0E-01	4050	1.1E-01
280	< 1.0E-05	580	< 1.0E-05	880	3.6E-02	1180	8.8E-01	2600	8.9E-01	4100	9.8E-02
290	< 1.0E-05	590	< 1.0E-05	890	5.2E-02	1190	8.9E-01	2650	8.7E-01	4150	8.6E-02
300	< 1.0E-05	600	< 1.0E-05	900	7.7E-02	1200	8.9E-01	2700	8.4E-01	4200	7.2E-02
310	< 1.0E-05	610	< 1.0E-05	910	1.1E-01	1250	9.2E-01	2750	5.7E-01	4250	5.9E-02
320	< 1.0E-05	620	< 1.0E-05	920	1.4E-01	1300	9.3E-01	2800	4.5E-01	4300	4.3E-02
330	< 1.0E-05	630	< 1.0E-05	930	1.8E-01	1350	9.4E-01	2850	4.2E-01	4350	2.9E-02
340	< 1.0E-05	640	< 1.0E-05	940	2.2E-01	1400	9.5E-01	2900	4.1E-01	4400	1.8E-02
350	< 1.0E-05	650	< 1.0E-05	950	2.7E-01	1450	9.6E-01	2950	3.9E-01	4450	8.5E-03
360	< 1.0E-05	660	< 1.0E-05	960	3.2E-01	1500	9.6E-01	3000	3.7E-01	4500	3.5E-03
370	< 1.0E-05	670	< 1.0E-05	970	3.7E-01	1550	9.7E-01	3050	3.4E-01	4550	1.3E-03
380	< 1.0E-05	680	< 1.0E-05	980	4.1E-01	1600	9.7E-01	3100	3.0E-01	4600	4.4E-04
390	< 1.0E-05	690	< 1.0E-05	990	4.6E-01	1650	9.7E-01	3150	2.6E-01	4650	1.6E-04
400	< 1.0E-05	700	< 1.0E-05	1000	5.0E-01	1700	9.8E-01	3200	2.3E-01	4700	6.4E-05
410	< 1.0E-05	710	< 1.0E-05	1010	5.5E-01	1750	9.8E-01	3250	2.0E-01	4750	3.4E-05
420	< 1.0E-05	720	< 1.0E-05	1020	5.8E-01	1800	9.8E-01	3300	1.8E-01	4800	2.2E-05
430	< 1.0E-05	730	< 1.0E-05	1030	6.2E-01	1850	9.7E-01	3350	1.5E-01	4850	1.4E-05
440	< 1.0E-05	740	< 1.0E-05	1040	6.5E-01	1900	9.7E-01	3400	1.3E-01	4900	< 1.0E-05
450	< 1.0E-05	750	< 1.0E-05	1050	6.8E-01	1950	9.7E-01	3450	1.2E-01	4950	< 1.0E-05
460	< 1.0E-05	760	< 1.0E-05	1060	7.1E-01	2000	9.7E-01	3500	1.1E-01	5000	< 1.0E-05
470	< 1.0E-05	770	< 1.0E-05	1070	7.3E-01	2050	9.7E-01	3550	1.0E-01	5050	< 1.0E-05
480	< 1.0E-05	780	< 1.0E-05	1080	7.5E-01	2100	9.6E-01	3600	9.9E-02	5100	< 1.0E-05
490	< 1.0E-05	790	2.6E-05	1090	7.7E-01	2150	9.6E-01	3650	9.8E-02	5150	< 1.0E-05