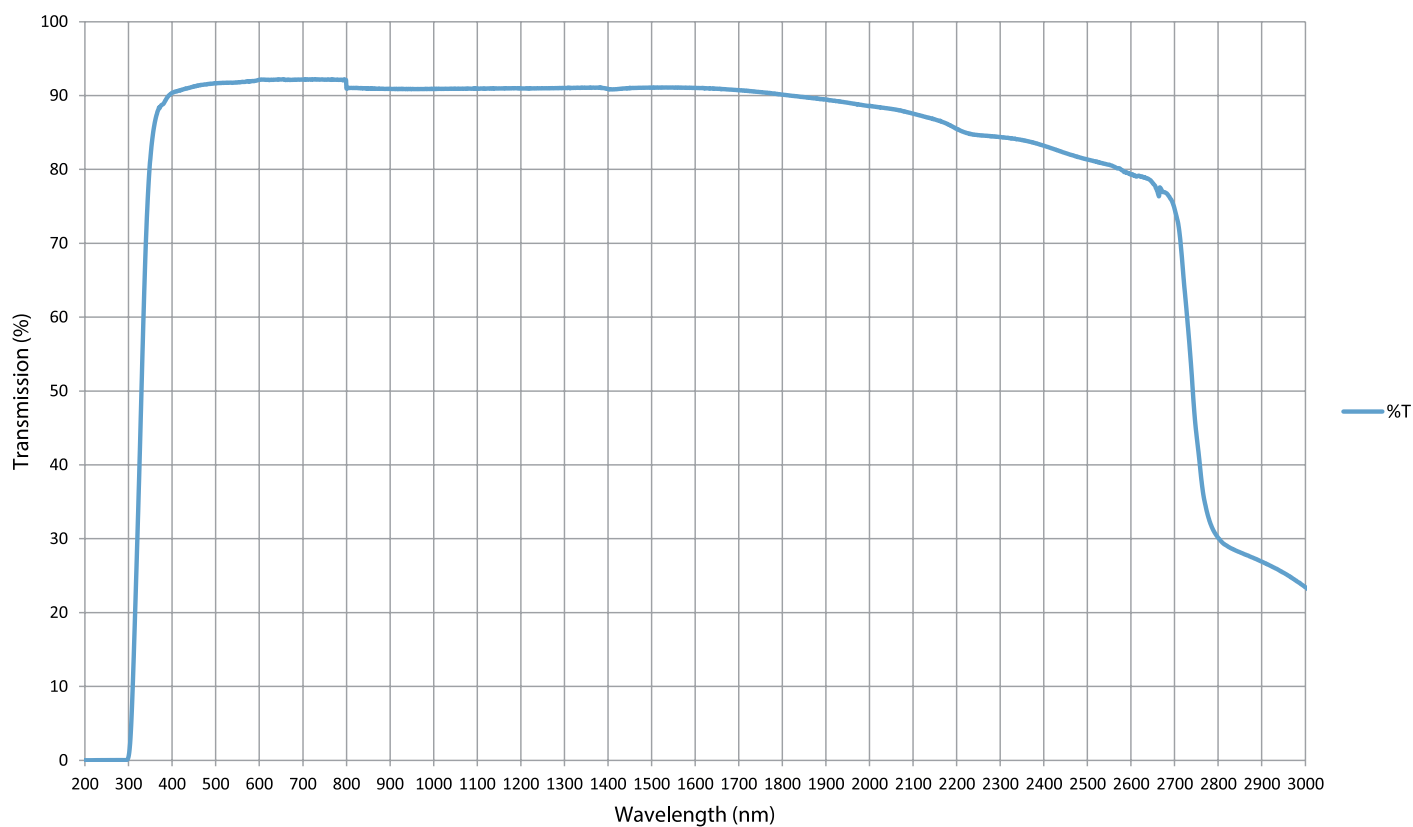


Colour glass filter

Material / Specification: 340nm logpass (Hoya UV34)

Range / Description: 345FCS



Colour glass filter

Material / Specification: 340nm logpass (Hoya UV34)

Range / Description: 345FCS

Catalog Thickness t = 2.5 mm

Reflection Factor P_d = 0.882

Diagram-1

UV-34

Transmittance (T) & Internal Transmittance (τ) units: (%)

λ _{nm}	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	
T													.01	10.2	45.2	68.9	78.8	83.0	84.5	85.5	86.2	86.7	87.0	87.1	87.2	
τ													.01	11.6	51.2	78.1	89.3	94.1	95.8	96.9	9.7	98.3	98.6	98.8	98.9	
λ _{nm}	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	
T	87.2	87.3	87.5	87.7	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1									
τ	98.9	99.0	99.2	91.4	99.4	99.5	99.7	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9									
λ _{nm}	700	710	720	730	740	750	800	850	900	950	1,000	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	
T																										
τ																										

Refractive Indices

Symbol	l	h	g	F'	F	e	d	D	C'	C	r	A'	t
λ _{nm}	365.0	404.7	435.8	480.0	486.1	546.1	587.6	589.3	643.8	656.3	706.5	768.2	1,014.0
n	1.722	1.703	1.693	1.682	1.681	1.672	1.667	1.667	1.662	1.661	1.658	1.655	1.647

Abbe-Number

$$v_d = \frac{n_d - 1}{n_F - n_C} = 33$$

Colour Specifications

	x	y	Y	λ _i	P _c
A	-	-	-	-	-
C	-	-	-	-	-
D ₆₅	-	-	-	-	-

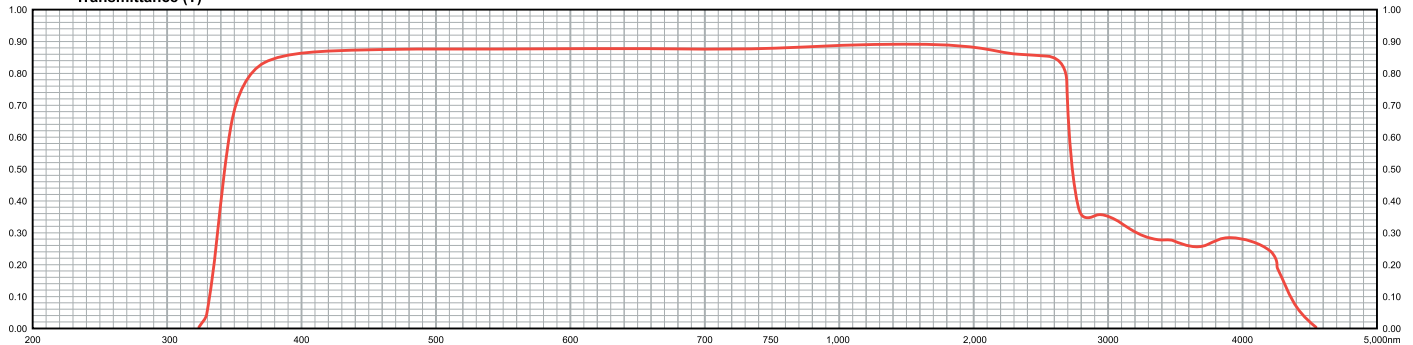
Properties

Chemical		Thermal				Mechanical		Other
D _w	D _A	T _g	T _s	α _{30/70}	α _{100/300}	H _k	F _A	S
3	1	430	480	83	86	430	170	4.01

Tolerances of Transmittance (T)

Transition Wavelength	Transition Interval	Average High Transmittance
λT(nm)	Δλ(nm)	T _H (%)
340 ± 7	< 35	> 85

Transmittance (T)



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