

Ultraviolet Transmitting, Visible Absorbing Filter

U-360

Catalog Thickness t = 2.5 mm

Reflection Factor P_d = 0.883

Diagram-7

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											.27	6.1	23.5	44.2	58.2	65.4	68.6	64.2	43.0	11.0	.18	1•10 ⁻³			
τ											.31	6.9	26.6	50.1	65.9	74.1	77.7	72.7	48.7	12.5	.20	1•10 ⁻³			
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																									2•10 ⁻³
τ																									2•10 ⁻³
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	.19	2.3	5.9	8.2	9.9	9.8	1.4	.3	.2	.2	.2	.02	.01	.02	.03	.04	.05	.05	.06	.07	.08	.09	.1	.4	.6
τ	.22	2.8	6.7	9.3	11.2	11.1	1.6	.3	.2	.2	.2	.02	.01	.02	.03	.05	.06	.06	.07	.08	.09	.1	.1	.5	.7

Refractive Indices

Symbol	i	h	g	F'	F	e	d	D	C'	C	r	s	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	852.1	1,014.0
n							(1.663)						

Abbe-Number

$$\nu_d = \frac{n_d - 1}{n_F - n_C} =$$

Color Specifications

	x	y	Y	λ _d	P _e
A	—	—	—	—	—
C	—	—	—	—	—
D ₆₅	—	—	—	—	—

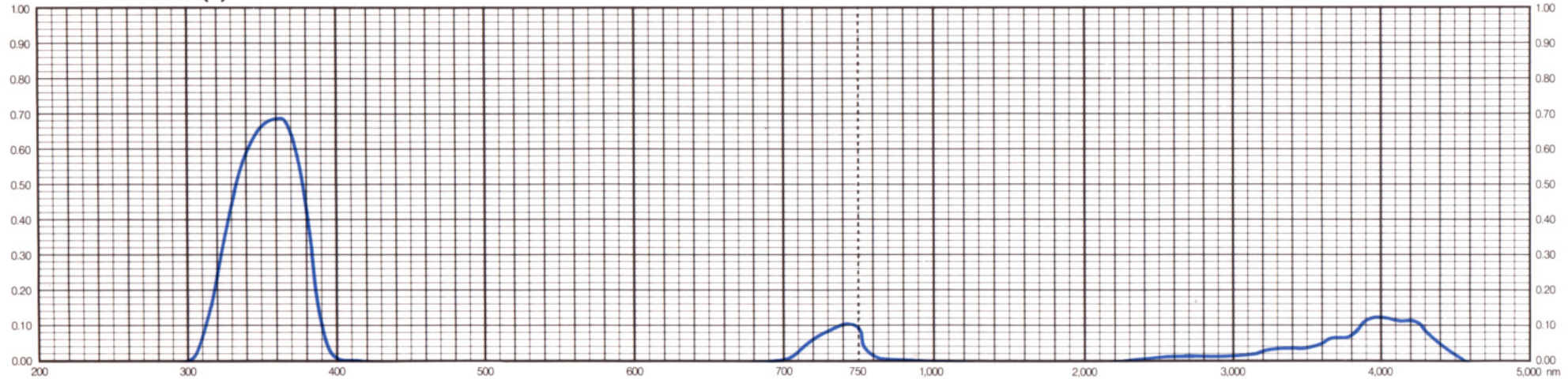
Properties

Chemical		Thermal				Mechanical		Other
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	S
3	2	520	560	100	111	560	140	2.74

Tolerances of Transmittance (T)

Wavelength for Max. Transmittance	Maximum Transmittance	Transmittance at 254 nm	Transmittance at 405 nm
λT _{max} (nm)	T _{max} (%)	T ₂₅₄ (%)	T ₄₀₅ (%)
360 ± 5	70 ± 5	< 0.01	< 1.0

Transmittance (T)



All data are mean values of various melts.

HOYA 8304E