

Ultraviolet Transmitting, Visible Absorbing Filter

U-350

Catalog Thickness t = 2.5 mm

Reflection Factor P_o = 0.908

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											.03	2.0	12.5	29.1	43.0	50.9	50.9	39.8	14.0	.25						
τ											.03	2.2	13.8	32.0	47.4	56.1	56.1	43.8	15.4	.28						
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																									3·10 ⁻³	.07
τ																									3·10 ⁻³	.08
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	.33	.62	.67	.58	.60	.46	7·10 ⁻³																			
τ	.36	.68	.74	.64	.66	.51	8·10 ⁻³																			

Refractive Indices

Symbol	i	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							(1.561)						

Abbe-Number

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

Color Specifications

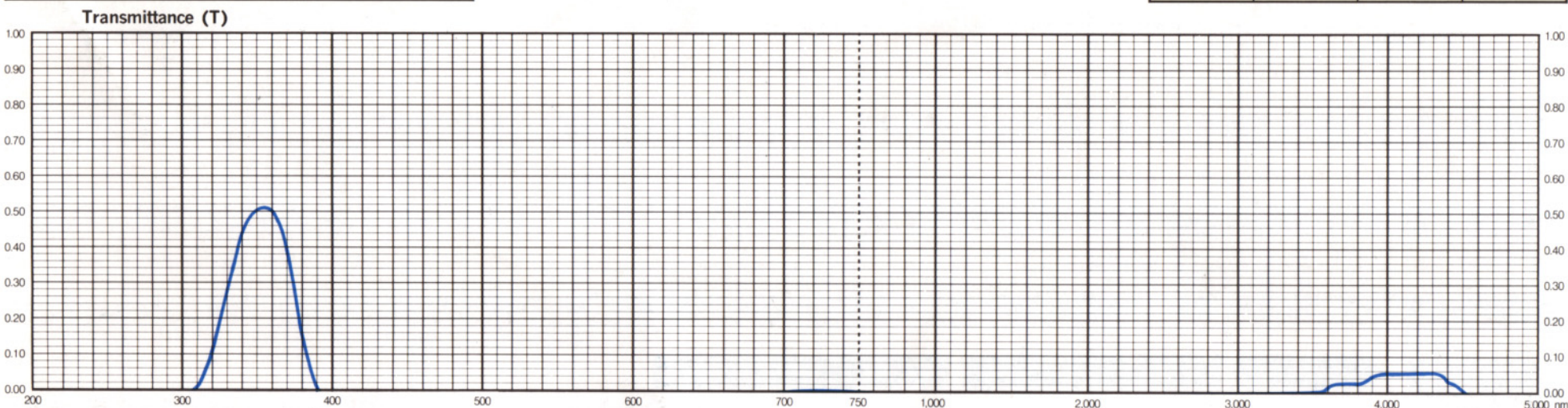
	x	y	Y	λ _d	P _e
A	—	—	—	—	—
C	—	—	—	—	—
D ₆₅	—	—	—	—	—

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	1	525	570	94	111	560	140	2.83

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 (%)
354 ± 5	50 ± 5	< 0.01	< 0.5



All data are mean values of various melts.

HOYA 8304E