Ultraviolet Transmitting, Visible Absorbing Filter

U-325C

Catalog Thickness t= 4.5 mm

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	0.2	0.2	0.1	3.1	20.8	67.5	76.4	82.5	85.8	87.3	87.3	87.9	87.8	88.0	88.0	87.0	84.6	78.5	64.7	40.7	16.7	4.3	0.9	0.2	0.1
τ																									
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	0.1	0.1	0.1																			0.1	1.0	5.9	17.3
τ																									
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	31.3	41.5	46.0	45.8	42.9	39.1	24.1	18.9	17.9	19.0	21.0	16.8	6.0	2.6	2.6	2.2	2.5	3.0	3.4	4.5	6.4	8.3	9.6	10.4	12.0
τ																									

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	1,104.0
n							1.554						

Abbe-Number

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

Color Specifications

	x	y	Y	λ_d	P_e
A	0.555	0.299	0.2	-516	58
C	0.324	0.192	0.2	-545	53
D_{65}	0.319	0.190	0.2	-549	55

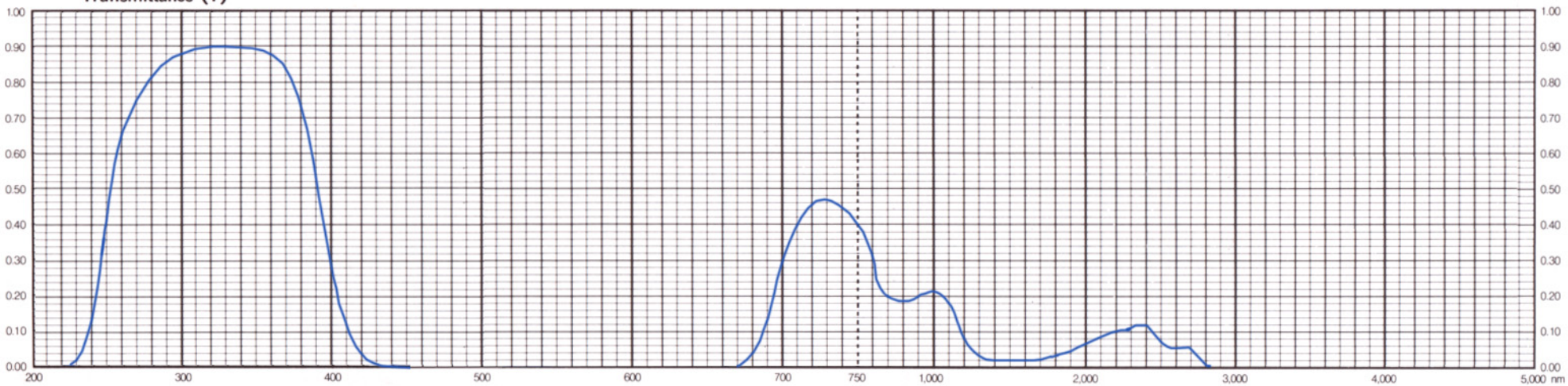
Properties

Chemical		Thermal				Mechanical		Other
D_W	D_A	T_g	T_s	$\alpha_{-30/70}$	$\alpha_{100/300}$	H_K	F_A	S
4	3	452	496	93	65	381	221	2.89

Tolerances of Transmittance (T)

Wavelength for Max. Trans-mittance	Trans-mittance at 254 nm	Trans-mittance at 405 nm
λT_{max} (nm)	T_{254} (%)	T_{405} (%)
325±5	>55	<10

Transmittance (T)



All data are mean values of various melts.

HOYA 8304E