

Green Filter

G-533

Catalog Thickness t = 2.5 mm

Reflection Factor $P_d = 0.913$

Diagram-2

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	.07	.29
τ																							.01	.08	.32
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	1.0	3.8	8.9	15.9	24.8	35.0	44.0	50.5	53.8	54.4	50.9	44.8	37.7	29.5	22.5	16.7	12.1	8.9	6.7	5.5	4.6	3.8	3.6	3.4	3.0
τ	1.1	4.2	9.8	17.4	27.2	38.3	48.2	55.3	58.9	59.6	55.8	49.1	41.3	32.3	24.6	18.3	13.3	9.8	7.3	6.0	5.0	4.2	3.9	3.7	3.3
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	3.0	3.0	3.0	3.0	3.2	3.4	4.0	4.8	6.3	8.4	11.4	20.0	28.6	37.7	46.7	53.0	59.2	63.8	68.3	71.8	75.3	76.3	77.3	78.0	78.6
τ	3.3	3.3	3.3	3.3	3.5	3.7	4.4	5.3	6.9	9.2	12.5	21.9	31.3	41.3	51.2	58.1	64.8	69.9	74.8	78.6	82.5	83.6	84.7	85.4	86.1

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						1.543	1.541						

Abbe-Number

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

Color Specifications

	x	y	Y	λ_d	P_e
A	.373	.566	32.0	553	60
C	.310	.569	35.4	551	69
D_{65}	.306	.577	35.9	550	69

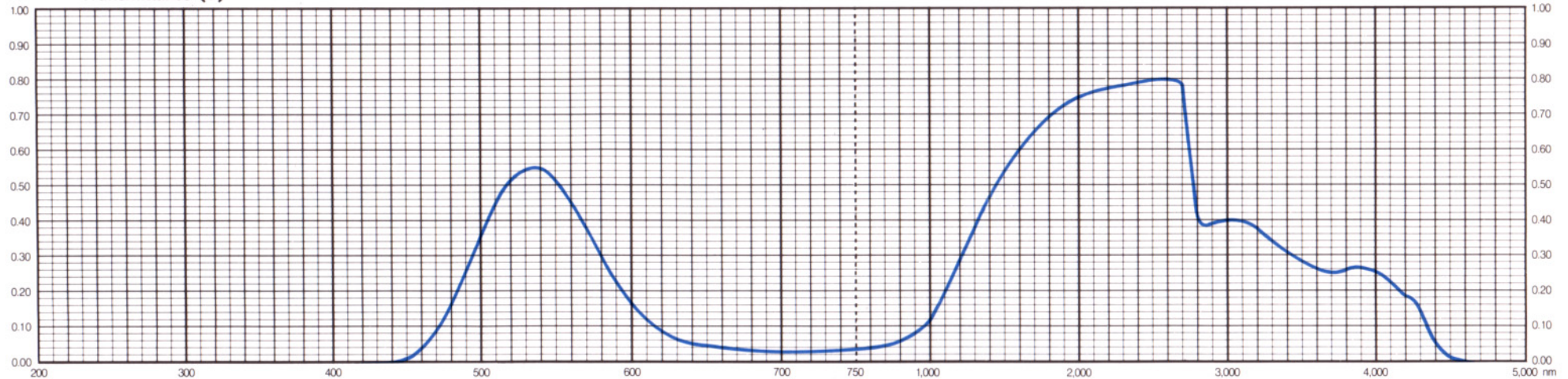
Properties

Chemical		Thermal				Mechanical		Other
D_w	D_A	T_g	T_s	$\alpha_{-30/70}$	$\alpha_{100/300}$	H_k	F_A	S
3	1	550	600	87	103	580	140	2.60

Tolerances of Transmittance (T)

Wavelength for Max. Transmittance	Maximum Transmittance	Less than 1% Wavelength at Short-wave Side	Less than 5% Wavelength at Long-wave Side
λT_{max} (nm)	T_{max} (%)	$\lambda \leq 1$ (nm)	$\lambda / 5$ (nm)
533 ± 5	53 ± 3	410	660

Transmittance (T)



All data are mean values of various melts.

HOYA 8304E