

WHILE EVERY ATTEMPT HAS BEEN MADE TO VERIFY THE SOURCE OF THE INFORMATION, NO RESPONSIBILITY IS

Ultraviolet Transmitting, Visible Absorbing Filter

U-340

Diagram-7

Reflection Factor P<sub>r</sub> = 0.907

Catalog Thickness t = 2.5 mm

Transmittance (T) & Internal Transmittance (τ) units : (%)	
λ <sub>nm</sub>	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	— — — — — 2·10 <sup>-3</sup> .55 11.7 38.9 61.3 72.7 77.2 79.0 79.8 79.9 75.5 65.8 46.6 13.1 .22
τ	— — — — — 2·10 <sup>-3</sup> .61 12.9 42.9 67.6 80.2 85.1 87.1 88.0 88.1 83.2 72.5 51.4 14.4 .24
λ <sub>nm</sub>	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 <sup>-3</sup> .04 .40
τ	— 2·10 <sup>-3</sup> .04 .44
λ <sub>nm</sub>	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	1.4 2.2 2.2 1.9 1.0 .48 .02
τ	1.5 2.4 2.4 2.1 1.1 .53 .02

Abbe-Number

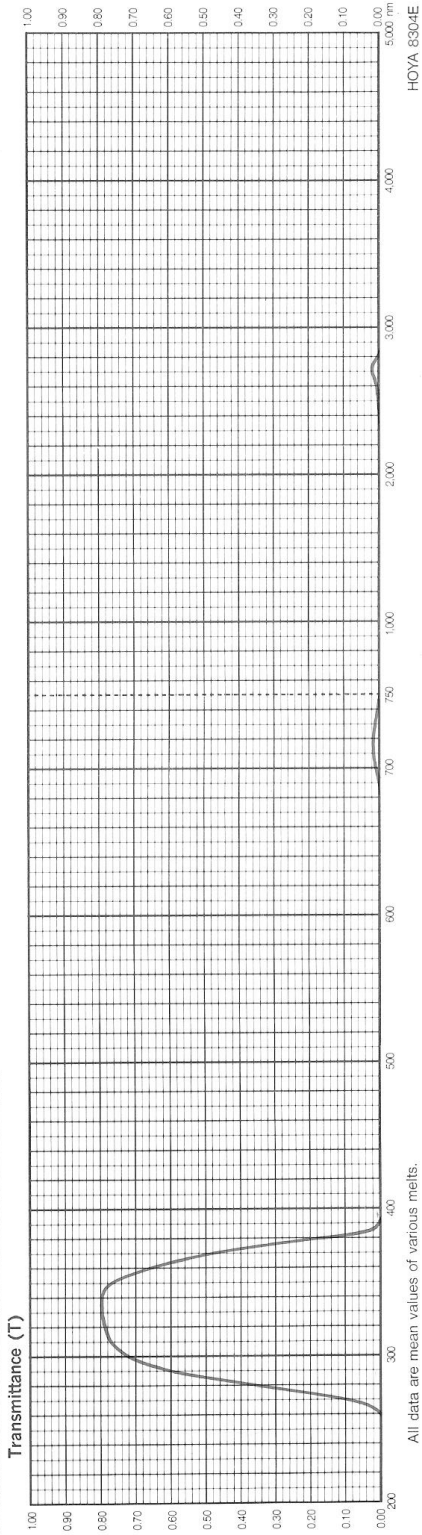
$$N_d = \frac{n_d - 1}{n_F - n_C} =$$

Refractive Indices												
Symbol	i	h	g	e	d	D	C'	C	r	A'	t	
λ <sub>nm</sub>	365.0	404.7	435.8	546.1	587.6	589.3	643.8	656.3	706.5	768.2	1,014.0	
n					(1.568)							

Tolerances of Transmittance (T)			
Wavelength for Max. Transmittance	Maximum Transmittance	Transmittance at 254 nm	Transmittance at 405 nm
λT <sub>max</sub> (nm)	T <sub>max</sub> (%)	T <sub>254</sub> (%)	T <sub>405</sub> (%)
340 ± 5	75 ± 5	< 1.0	< 0.1

Properties							
Chemical		Thermal		Mechanical		Other	
D <sub>v</sub>	D <sub>A</sub>	T <sub>g</sub>	T <sub>s</sub>	H <sub>k</sub>	F <sub>A</sub>	S	S
4	4	530	565	85	96	430	250
							2.92

Color Specifications				
x	y	Y	λ <sub>d</sub>	P <sub>e</sub>
A	—	—	—	—
C	—	—	—	—
D <sub>65</sub>	—	—	—	—



All data are mean values of various melts.

ACCEPTED FOR ACCURACY OF DATA.

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