

Blue Filter

B-390

Diagram-2

Reflection Factor $P_r = 0.917$

Catalog Thickness $t = 2.5 \text{ mm}$

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												.09	2.3	14.0	33.4	51.0	63.0	70.0	74.2	77.1	77.1	75.5	73.0	68.5	62.9
τ												.10	2.5	15.3	36.4	55.6	68.7	76.3	80.9	84.1	84.1	82.3	79.6	74.7	68.6
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	55.0	45.4	30.8	15.4	4.4	.80	.05	$7 \cdot 10^{-3}$	$6 \cdot 10^{-3}$	.01	.03	$5 \cdot 10^{-3}$	$1 \cdot 10^{-3}$										$1 \cdot 10^{-3}$	.01	.14
τ	60.0	49.5	33.6	16.8	4.8	.87	.05	$8 \cdot 10^{-3}$	$7 \cdot 10^{-3}$	.01	.03	$5 \cdot 10^{-3}$	$1 \cdot 10^{-3}$										$1 \cdot 10^{-3}$	.01	.15
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	.64	1.1	1.3	1.4	1.2	1.1	1.0	1.2	1.9	2.9	4.0	5.4	2.9	2.2	3.4	2.8	4.6	5.5	6.8	14.2	26.0	36.3	46.0	54.2	59.9
τ	.70	1.2	1.4	1.5	1.3	1.2	1.1	1.3	2.1	3.2	4.4	5.9	3.2	2.4	3.7	3.1	5.0	6.0	7.4	15.5	28.4	39.6	50.2	59.1	65.3

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	1.535	1.528	1.524										

Color Specifications

	x	y	Y	λ_{d}	P_e
A	.151	.030	0.5	457	99
C	.155	.024	1.6	453	99
D ₃₅	.154	.024	1.5	454	99

Properties

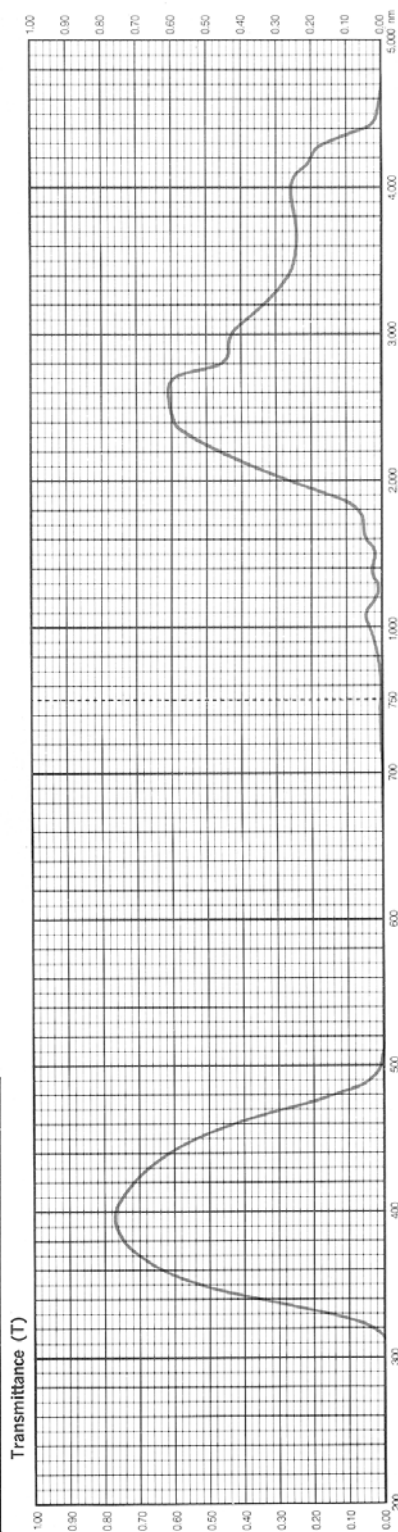
Chemical		Thermal		Mechanical		Other		
D _w	D _A	T _g	T _e	H _k	F _A	S	S	
1	1	485	535	92	104	510	110	2.57

Tolerances of Transmittance (T)

Wavelength Transmittance	Maximum Transmittance	Less than 1% at Short wave Side	Less than 5% at Long wave Side
λT_{max} (nm)	T _{max} (%)	$\lambda/5$ (nm)	$\lambda/5$ (nm)
394 ± 5	78 ± 3	310	510

Abbe-Number

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



All data are mean values of various melts.

WHILE EVERY ATTEMPT HAS BEEN MADE TO VERIFY THE SOURCE OF THE INFORMATION, NO RESPONSIBILITY IS ACCEPTED FOR ACCURACY OF DATA.

UQG LTD, THE NORMAN INDUSTRIAL ESTATE, 99-101 CAMBRIDGE ROAD, MILTON, CAMBRIDGE, CB4 6AT, ENGLAND. TEL: +44 (0) 1223 420329 FAX: +44 (0) 1223 420506