

Light Balancing Filter (Amber)

LA-20

Catalog Thickness t= 2.5 mm

Reflection Factor P_r=0.911

Diagram-3

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																.16	5.8	20.6	36.4	50.4	60.1	64.9	65.3	65.7	64.9	
τ																.18	6.4	22.6	40.0	55.3	66.0	71.2	71.7	72.1	71.2	
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	64.5	64.1	63.8	64.1	64.3	65.2	65.9	66.8	67.9	69.0	70.4	71.9	73.2	74.5	75.8	76.8	77.5	78.1	78.5	79.1	79.9	80.7	81.7	83.1	84.1	
τ	70.8	70.4	70.0	70.4	70.6	71.6	72.3	73.3	74.5	75.7	77.3	78.9	80.4	81.8	83.2	84.3	85.1	85.7	86.2	86.8	87.7	88.6	89.7	91.2	92.3	
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	84.9	85.4	85.9	86.4	86.9	87.1	88.6	89.6	90.1	90.5	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	90.5	90.0	89.1	88.2	88.0	87.8
τ	93.2	93.7	94.3	94.8	95.4	95.6	97.3	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.3	98.8	97.8	96.8	96.6	96.4

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	1.581	1.572	1.567	1.561	1.560	1.555	1.552	1.552	1.549	1.549	1.547	1.545	1.540

Abbe-Number

$$V_d = \frac{n_d - 1}{n_F - n_C} = 48$$

Color Specifications

	x	y	Y	λ _d	P _e
A	.467	.408	72.5	592	14
C	.330	.324	70.5	591	7
D ₆₅	.333	.337	70.5	589	8

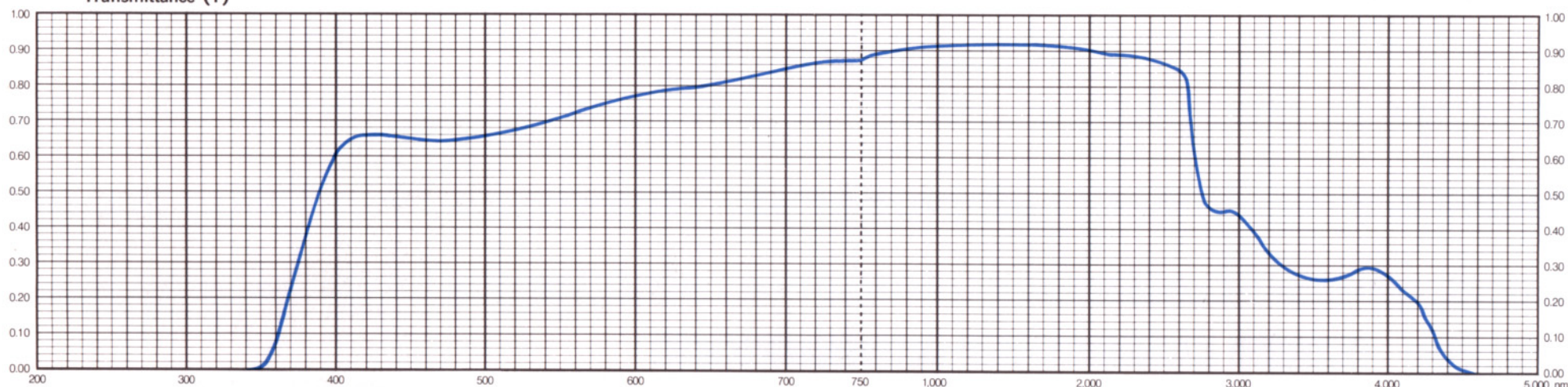
Properties

Chemical		Thermal				Mechanical		Other
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	S
2	1	505	545	89	102	520	130	2.73

Tolerances of Transmittance (T)

B-R Conversion Value	Filter Factor
V (mired)	P
+ 20 ± 5	0.5

Transmittance (T)



All data are mean values of various melts.