

Light Balancing Filter (Amber)

LA-120

Catalog Thickness t= 2.5 mm

Reflection Factor P₀=0.916

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											4•10 ⁻³	.09	.43	.90	1.3	1.3	1.3	1.4	1.6	2.9	5.9	10.6	16.7	23.7	29.1
τ											4•10 ⁻³	.10	.47	.98	1.4	1.4	1.4	1.5	1.7	3.2	6.4	11.6	18.2	25.9	31.8
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	32.5	34.6	35.3	35.8	36.5	37.9	40.2	43.3	47.3	51.8	56.7	61.6	66.0	70.2	73.6	76.9	78.8	80.4	81.3	82.0	82.1	81.7	80.6	78.9	77.0
τ	35.5	37.8	38.5	39.1	39.8	41.4	43.9	47.3	51.6	56.6	61.9	67.2	72.1	76.6	80.3	84.0	86.0	87.8	88.8	89.5	89.6	89.2	88.0	86.1	84.1
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	75.1	73.4	72.0	70.4	69.2	68.6	70.0	77.8	85.2	88.6	89.8	90.5	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.0	90.0	88.9	88.2	87.5
τ	82.0	80.1	78.6	76.9	75.5	74.9	76.4	84.9	93.0	96.7	98.0	98.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.3	98.3	97.1	96.3	95.5

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		1.544	1.540	1.536	1.535	1.531	1.529	1.529	1.527	1.526	1.525	1.523	1.519

Abbe-Number

$$V_d = \frac{n_d - 1}{n_F - n_C} = 58$$

Color Specifications

	x	y	Y	λ _d	P _e
A	.510	.415	64.3	590	49
C	.393	.374	59.3	583	38
D ₆₅	.395	.384	59.1	582	38

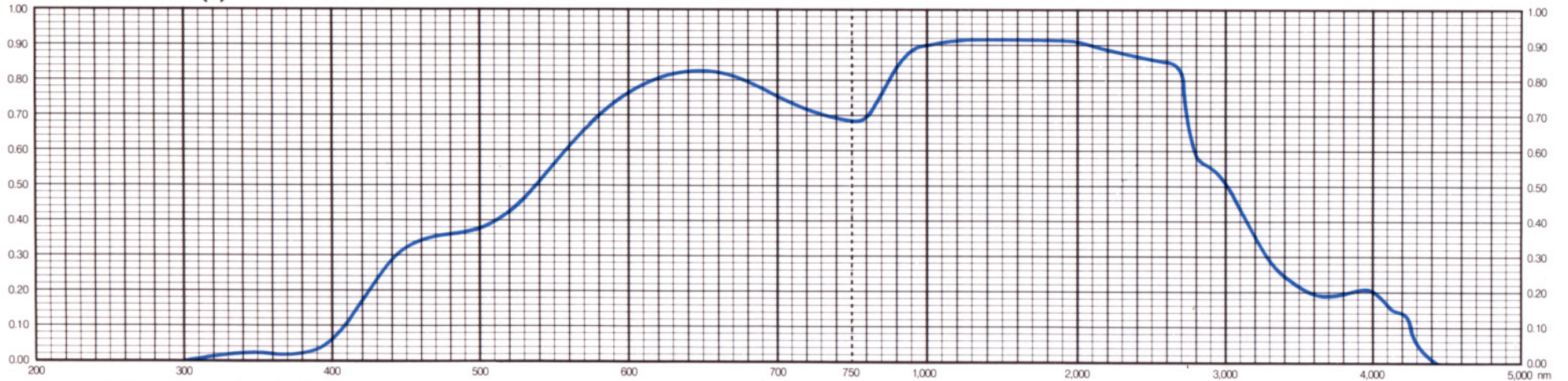
Properties

Chemical		Thermal				Mechanical		Other
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	S
3	1	515	565	98	112	530	130	2.70

Tolerances of Transmittance (T)

B-R Conversion Value	Filter Factor
V (mired)	P
+ 120 ± 5	1

Transmittance (T)



All data are mean values of various melts.