

Light Balancing Filter (Blue)

LB-120

Catalog Thickness t = 2.5 mm

Reflection Factor P_d = 0.920

Diagram-4

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											3·10 ⁻³	.58	8.1	30.4	52.8	66.3	73.8	78.6	79.6	82.3	83.1	80.6	72.1	67.6	61.8
τ											3·10 ⁻³	.63	8.8	33.0	57.4	72.1	80.2	85.4	86.5	89.5	90.3	87.6	78.4	73.5	67.2
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	56.8	52.3	48.4	45.1	42.2	39.9	37.6	35.3	32.6	31.4	31.6	32.5	31.6	27.9	24.0	22.8	22.2	20.9	19.3	17.5	16.5	16.3	17.1	18.1	18.9
τ	61.7	56.8	52.6	49.0	45.9	43.4	40.9	38.4	35.4	34.1	34.3	35.3	34.3	30.3	26.1	24.8	24.1	22.7	21.0	19.0	17.9	17.7	18.6	19.7	20.5
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	19.2	18.9	18.6	18.3	17.8	17.5	17.7	19.4	22.4	26.6	31.1	39.3	47.6	54.0	60.5	64.9	69.2	72.1	75.0	78.1	81.3	82.5	83.7	84.2	84.8
τ	20.9	20.5	20.2	19.9	19.3	19.0	19.2	21.1	24.3	28.9	33.8	42.7	51.7	58.7	65.8	70.5	75.2	78.4	81.5	84.9	88.4	89.7	91.0	91.5	92.2

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	1.534	1.527	1.523	1.519	1.519	1.515	1.512	1.512	1.510	1.510	1.508	1.507	1.503

Abbe-Number

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

Color Specifications

	x	y	Y	λ _d	P _e
A	.370	.378	28.4	488	19
C	.243	.241	30.8	475	33
D ₆₅	.246	.255	30.9	476	32

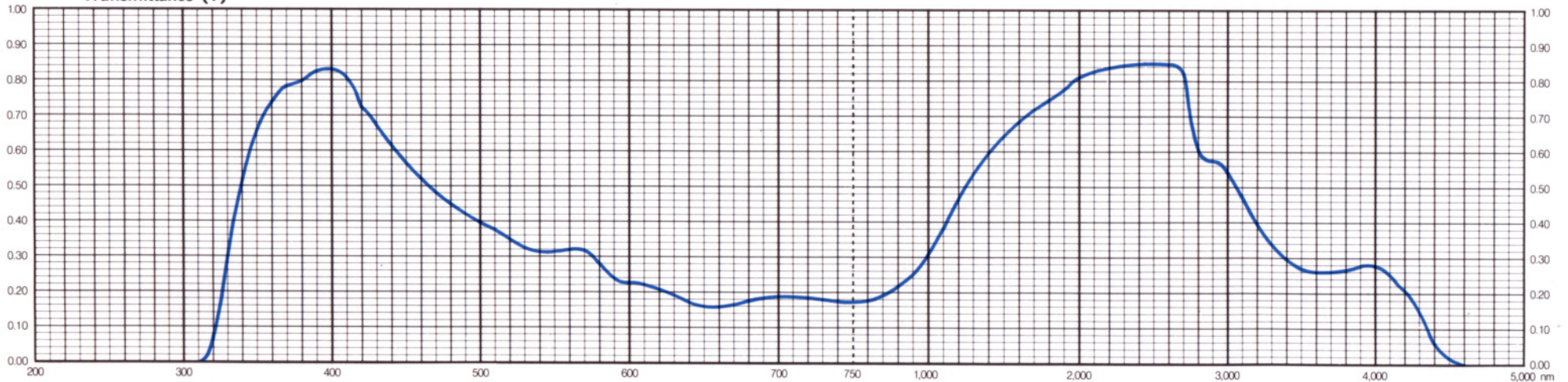
Properties

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	480	535	94	105	520	130	2.57

Tolerances of Transmittance (T)

B-R Conversion Value	Filter Factor
V (mired)	P
- 120 ± 5	1.5

Transmittance (T)



All data are mean values of various melts.