

Sharp Cut Filter (Red)

R-62

Catalog Thickness t = 2.5 mm

Reflection Factor P_d = 0.916

Diagram-1

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																										
τ																										
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																3·10 ⁻³	.17	6.7	35.5	69.0	83.4	88.3	90.2	91.5		
τ																3·10 ⁻³	.19	7.3	38.8	75.3	91.0	96.4	98.5	99.9		
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																										
τ																										

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							(1.529)		1.526	1.526	1.524	1.523	1.519

Abbe-Number

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

Color Specifications

	x	y	Y	λ _d	P _e
A	.714	.286	10.1	635	100
C	.713	.287	5.7	634	100
D ₆₅	.712	.288	5.5	633	100

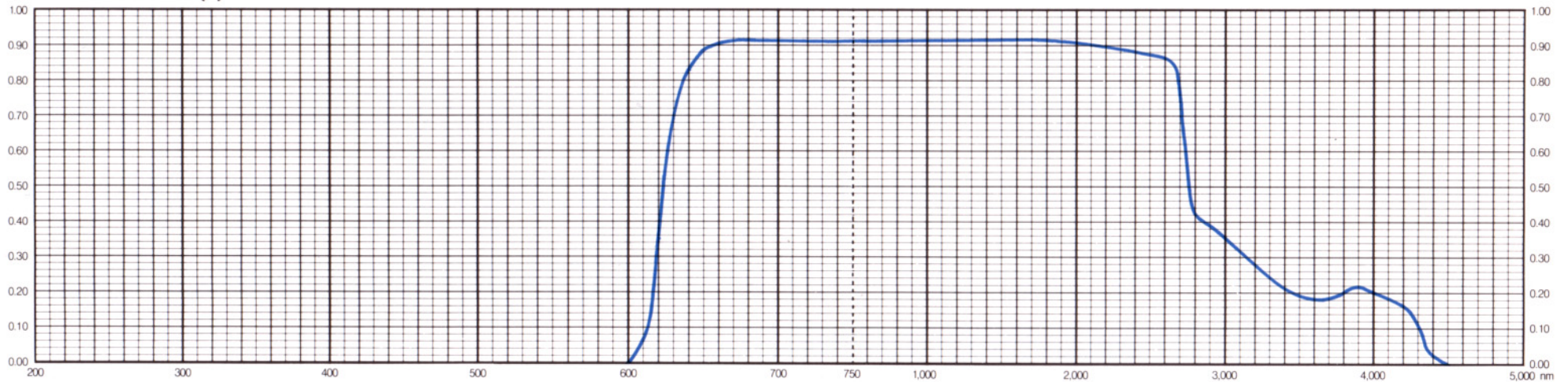
Properties

Chemical		Thermal				Mechanical		Other
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _K	F _A	S
1	1	560	620	95	107	520	140	2.68

Tolerances of Transmittance (T)

Transition Wavelength	Transition Interval	Average High Transmittance
λT(nm)	Δλ(nm)	T _H (%)
620 ± 5	< 25	> 85

Transmittance (T)



All data are mean values of various melts.