

D-LaF53			743493				n _d = 1.743300		v _d = 49.33		n _F - n _C = 0.015069	
							n _e = 1.746888		v _e = 49.08		n _{F'} - n _{C'} = 0.015217	
折射率 Refractive Index*			相对部分色散 Relative Partial Dispersions				内部透射率 Internal Transmittance T					
	λ (nm)		P _{s,t}	0.2671	P' _{s,t}	0.2645	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.702945	P _{C,s}	0.5249	P' _{C',s}	0.5671	2400	0.825	0.681			
n _{1970.09}	1970.09	1.710120	P _{d,C}	0.3015	P' _{d,C'}	0.2512	2200	0.953	0.909			
n _{1529.58}	1529.58	1.717756	P _{e,d}	0.2381	P' _{e,d}	0.2358	2000	0.982	0.964			
n _{1060.0}	1060.0	1.725868	P _{g,F}	0.5528	P' _{g,F'}	0.4903	1800	0.994	0.988			
n _t	1013.98	1.726822	P _{i,h}	0.7985	P' _{i,h}	0.7907	1600	0.998	0.996			
n _s	852.11	1.730847	异常色散 Abnormal Dispersions				1400	0.998	0.997			
n _r	706.52	1.736189					ΔP _{C,t}	0.0133	ΔP _{C,s}	0.0065	1200	0.999
n _C	656.27	1.738756	ΔP _{F,e}	-0.0024	ΔP _{g,F}	-0.0089	1060	0.999	0.998			
n _{C'}	643.85	1.739477	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.740151					λ ₈₀ /λ ₅	370/295			950	0.999
n _D	589.29	1.743166	λ ₇₀ /λ ₅				900	0.999	0.998			
n _d	587.56	1.743300	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.746888					T _g (°C)	557			800	0.998
n _F	486.13	1.753825	T _s (°C)	590			700	0.998	0.996			
n _{F'}	479.99	1.754694	T ₁₀ ^{14.5} (°C)	513			650	0.998	0.996			
n _g	435.83	1.762155	T ₁₀ ¹³ (°C)	538			600	0.997	0.995			
n _h	404.66	1.769135	T ₁₀ ^{7.6} (°C)	641			550	0.997	0.995			
n _i	365.01	1.781167	α _{30/70°C} (10 ⁻⁷ /K)	56			500	0.997	0.995			
n _{313.18}	313.18	1.806194	α _{100/300°C} (10 ⁻⁷ /K)	72			480	0.996	0.993			
n _{302.15}	302.15	1.813766	λ[W/(m·K)]				460	0.995	0.991			
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.993	0.987			
							K ₁	6.45397592E-01		Grade	420	0.991
L ₁	2.34993570E-02		D _w	1			400	0.986	0.973			
K ₂	1.17528667E+00		D _A	6			390	0.981	0.962			
L ₂	8.77755219E+01		CR	1			380	0.970	0.940			
K ₃	1.32747885E+00		RC(S)	1			370	0.948	0.898			
L ₃	6.06015970E-03		RA(S)	3			360	0.908	0.824			
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.847	0.717			
							D ₀	7.67E-06		H _k (10 ⁷ Pa)	673	
D ₁	2.36E-08		D _w	1			330	0.628	0.394			
D ₂	-1.95E-10		D _A	6			320	0.486	0.236			
E ₀	6.35E-07		CR	1			310	0.316	0.100			
E ₁	3.67E-10		RC(S)	1			300	0.214	0.046			
λ _{TK} (μm)	0.208		RA(S)	3			290	0.145	0.021			
折射率温度系数 Temperature Coefficients of Refractive Index			其他性质 Other Properties				E (10 ⁷ Pa)	11978				
							温度范围 (°C)	dn/dt relative(10 ⁻⁶ /°C)				
Range of Temperature	t	C'	d	e	F'	g	μ	0.298				
-60~-40							B (10 ⁻¹² /Pa)	2.20				
-40~-20	4.8	5.3	5.7	5.8	6.0	6.6	备注 Remarks					
-20~0	5.8	6.4	6.8	7.2	7.5	7.9						
0~20	6.0	6.6	7.2	7.3	8.2	8.9	*: 退火速率 anneal rate 4°C/h					
20~40	6.4	7.2	7.4	7.5	8.3	9.0						
40~60	6.6	7.3	7.6	7.6	8.5	9.1						
60~80	7.0	7.4	7.6	7.9	8.5	9.3						
80~100												
100~120												
120~140												