

H-LaF4			750350				n _d = 1.749500		v _d = 34.99		n _F - n _C = 0.021421	
							n _e = 1.754570		v _e = 34.72		n _{F'} - n _{C'} = 0.021730	
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}	0.2262	P' _{s,t}	0.2230	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.706156	P _{C,s}	0.4835	P' _{C',s}	0.5217	2400	0.917	0.841			
n _{1970.09}	1970.09	1.712027	P _{d,C}	0.2925	P' _{d,C'}	0.2432	2200	0.962	0.926			
n _{1529.58}	1529.58	1.718696	P _{e,d}	0.2367	P' _{e,d}	0.2333	2000	0.985	0.971			
n _{1060.0}	1060.0	1.726945	P _{g,F}	0.5892	P' _{g,F'}	0.5215	1800	0.992	0.984			
n _t	1013.98	1.728033	P _{i,h}	0.9479	P' _{i,h}	0.9344	1600	0.997	0.995			
n _s	852.11	1.732879	异常色散 Abnormal Dispersions				1400	0.999	0.998			
n _r	706.52	1.739785					ΔP _{C,t}	-0.0014	ΔP _{C,s}	-0.0010	1200	0.999
n _C	656.27	1.743235	ΔP _{F,e}	0.0004	ΔP _{g,F}	0.0031	1060	0.999	0.998			
n _{C'}	643.85	1.744216	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.745138					λ ₈₀ /λ ₅	405/355		950	0.999	0.998
n _D	589.29	1.749313	λ ₇₀ /λ ₅			900	0.999	0.998				
n _d	587.56	1.749500	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.754570					T _g (°C)	580		800	0.999	0.998
n _F	486.13	1.764656	T _s (°C)	630		700	0.998	0.997				
n _{F'}	479.99	1.765946	T ₁₀ ^{14.5} (°C)	535		650	0.998	0.996				
n _g	435.83	1.777278	T ₁₀ ¹³ (°C)	568		600	0.998	0.996				
n _h	404.66	1.788334	T ₁₀ ^{7.6} (°C)	704		550	0.997	0.994				
n _i	365.01	1.808638	α _{30/70} (10 ⁻⁷ /K)	80		500	0.994	0.988				
n _{313.18}	313.18		α _{100/300} (10 ⁻⁷ /K)	95		480	0.990	0.981				
n _{302.15}	302.15		λ[W/(m·K)]			460	0.987	0.975				
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.983	0.967			
							K ₁	2.10645313E-01		Grade	420	0.974
L ₁	5.42759294E-02		D _w	1		400	0.949	0.900				
K ₂	1.75547352E+00		D _A	2		390	0.917	0.840				
L ₂	1.12370777E-02		CR	1		380	0.851	0.725				
K ₃	1.28979005E+00		RC(S)	1		370	0.691	0.478				
L ₃	1.19852069E+02		RA(S)	3		360	0.371	0.138				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350					
							D ₀	6.53E-07		H _k (10 ⁷ Pa)	545	
D ₁	1.81E-08		折射率温度系数 Temperature Coefficients of Refractive Index				F _A	178				
D ₂	-1.59E-10						温度范围 (°C)		dn/dt relative(10 ⁻⁶ /°C)		E (10 ⁷ Pa)	9105
E ₀	9.02E-07		Range of Temperature	t	C'	d	e	F'	g	G (10 ⁷ Pa)	3563	
E ₁	8.16E-10		-60~-40							μ	0.278	
λ _{TK} (μm)	0.246		-40~-20	1.3	2.0	2.7	2.9	3.4	4.4	B (10 ⁻¹² /Pa)	2.42	
			-20~0	2.0	3.1	3.3	3.5	4.7	5.7	其他性质 Other Properties		
			0~20	2.4	3.5	3.6	4.3	5.1	6.3			
			20~40	2.5	3.4	3.9	4.2	5.4	6.2	ρ (g/cm ³)	3.92	
			40~60	2.5	3.5	4.0	4.5	5.6	6.6	备注 Remarks		
			60~80	2.8	3.8	4.4	4.6	5.6	6.9			
			80~100									
			100~120									
			120~140									