

H-LaF7			782371		n _d = 1.781790		v _d = 37.09		n _F - n _C = 0.021077			
					n _e = 1.786785		v _e = 36.83		n _{F'} - n _{C'} = 0.021362			
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}	0.2332	P' _{s,t}	0.2301	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.736936	P _{C,s}	0.4910	P' _{C',s}	0.5300	2400	0.901	0.812			
n _{1970.09}	1970.09	1.743369	P _{d,C}	0.2942	P' _{d,C'}	0.2447	2200	0.964	0.930			
n _{1529.58}	1529.58	1.750575	P _{e,d}	0.2370	P' _{e,d}	0.2338	2000	0.985	0.970			
n _{1060.0}	1060.0	1.759212	P _{g,F}	0.5816	P' _{g,F'}	0.5150	1800	0.993	0.986			
n _t	1013.98	1.760326	P _{i,h}	0.9139	P' _{i,h}	0.9017	1600	0.998	0.995			
n _s	852.11	1.765241	异常色散 Abnormal Dispersions				1400	0.998	0.997			
n _r	706.52	1.772157					ΔP _{C,t}	0.0031	ΔP _{C,s}	0.0015	1200	0.999
n _C	656.27	1.775589	ΔP _{F,e}	-0.0005	ΔP _{g,F}	-0.0009	1060	0.999	0.998			
n _{C'}	643.85	1.776562	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.777476					λ ₈₀ /λ ₅	410/350		950	0.999	0.998
n _D	589.29	1.781606	λ ₇₀ /λ ₅			900	0.999	0.998				
n _d	587.56	1.781790	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.786785					T _g (°C)	659		800	0.999	0.998
n _F	486.13	1.796666	T _s (°C)	699		700	0.998	0.996				
n _{F'}	479.99	1.797924	T ₁₀ ^{14.5} (°C)	603		650	0.998	0.996				
n _g	435.83	1.808925	T ₁₀ ¹³ (°C)	650		600	0.997	0.995				
n _h	404.66	1.819562	T ₁₀ ^{7.6} (°C)	763		550	0.997	0.995				
n _i	365.01	1.838825	α _{30/70°C} (10 ⁻⁷ /K)	80		500	0.995	0.991				
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)	95		480	0.994	0.988				
n _{302.15}	302.15		λ[W/(m·K)]			460	0.991	0.983				
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.986	0.973			
							K ₁	1.85620526E+00		Grade	420	0.978
L ₁	1.09606128E-02		D _w	1		400	0.956	0.914				
K ₂	1.38494652E+00		D _A	5		390	0.930	0.864				
L ₂	1.14477380E+02		CR	1		380	0.880	0.774				
K ₃	2.23526441E-01		RC(S)	1		370	0.774	0.599				
L ₃	5.05771615E-02		RA(S)	3		360	0.562	0.316				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.224	0.050			
							D ₀	-1.02E-06		H _k (10 ⁷ Pa)	571	
D ₁	1.70E-08		折射率温度系数 Temperature Coefficients of Refractive Index				F _A	161				
D ₂	-1.39E-10						温度范围 (°C)	dn/dt relative(10 ⁻⁶ /°C)				
E ₀	6.63E-07		Range of Temperature	t	C'	d	e	F'	g	E (10 ⁷ Pa)	10916	
E ₁	4.31E-10		-60~-40							G (10 ⁷ Pa)	4243	
λ _{TK} (μm)	0.279		-40~-20	0.4	0.7	1.5	1.7	2.0	3.4	μ	0.286	
其他性质 Other Properties			-20~0	0.9	1.7	2.5	2.7	3.7	4.2	B (10 ⁻¹² /Pa)	1.76	
			0~20	1.3	2.0	2.5	2.9	3.7	4.4	备注 Remarks		
20~40	1.4	2.2	2.6	2.9	3.7	5.0	ρ (g/cm ³)					
40~60	1.6	2.3	2.7	2.9	3.8	5.2				ρ (g/cm ³)		
60~80	1.7	2.5	2.7	3.0	3.9	5.1	ρ (g/cm ³)					
80~100										ρ (g/cm ³)		
100~120							ρ (g/cm ³)					
120~140										ρ (g/cm ³)		