

H-LaF3B			744449				n _d = 1.744000		v _d = 44.90		n _F - n _C = 0.016570	
							n _e = 1.747939		v _e = 44.62		n _{F'} - n _{C'} = 0.016764	
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}	0.2406	P' _{s,t}	0.2378	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.707722	P _{C,s}	0.5022	P' _{C',s}	0.5428	2400	0.902	0.814			
n _{1970.09}	1970.09	1.712946	P _{d,C}	0.2976	P' _{d,C'}	0.2479	2200	0.957	0.915			
n _{1529.58}	1529.58	1.718814	P _{e,d}	0.2377	P' _{e,d}	0.2350	2000	0.960	0.921			
n _{1060.0}	1060.0	1.725853	P _{g,F}	0.5651	P' _{g,F'}	0.5007	1800	0.990	0.980			
n _t	1013.98	1.726759	P _{i,h}	0.8383	P' _{i,h}	0.8286	1600	0.997	0.994			
n _s	852.11	1.730746					1400	0.998	0.996			
n _r	706.52	1.736320	异常色散 Abnormal Dispersions				1200	0.999	0.998			
n _C	656.27	1.739068	ΔP _{C,t}	-0.0150	ΔP _{C,s}	-0.0057	1060	0.999	0.998			
n _{C'}	643.85	1.739845	ΔP _{F,e}	-0.0005	ΔP _{g,F}	-0.0041	1000	0.999	0.998			
n _{He-Ne}	632.8	1.740574					950	0.999	0.998			
n _D	589.29	1.743854					900	0.999	0.998			
n _d	587.56	1.744000	着色度 Color Code				850	0.999	0.998			
n _e	546.07	1.747939	λ ₈₀ /λ ₅		380/335		800	0.998	0.996			
n _F	486.13	1.755638	λ ₇₀ /λ ₅				700	0.998	0.997			
n _{F'}	479.99	1.756609					650	0.998	0.997			
n _g	435.83	1.765002					600	0.999	0.998			
n _h	404.66	1.772941					550	0.999	0.999			
n _i	365.01	1.786832	热性质 Thermal Properties				500	0.998	0.997			
n _{313.18}	313.18		T _g (°C)		618		480	0.998	0.997			
n _{302.15}	302.15		T _s (°C)		680		460	0.997	0.995			
			T ₁₀ ^{14.5} (°C)		582		440	0.996	0.992			
			T ₁₀ ¹³ (°C)		616		420	0.994	0.988			
色散公式常数 Constants of Dispersion Formula			T ₁₀ ^{7.6} (°C)		751		400	0.986	0.973			
K ₁	1.66486969E+00		α _{30/70°C} (10 ⁻⁷ /K)		80		390	0.978	0.957			
L ₁	8.95646712E-03		α _{100/300°C} (10 ⁻⁷ /K)		97		380	0.961	0.923			
K ₂	3.01622480E-01		λ[W/(m·K)]				370	0.923	0.852			
L ₂	3.50299695E-02						360	0.843	0.710			
K ₃	1.19738880E+00		化学性质 Chemical Properties				350	0.671	0.450			
L ₃	1.23334438E+02		Grade				340	0.352	0.124			
折射率温度系数常数 Constants of dn/dt			D _w				330					
D ₀	-3.14E-06		D _A				320					
D ₁	1.29E-08		CR				310					
D ₂	-3.08E-11		RC(S)				300					
E ₀	6.91E-07		RA(S)				290					
E ₁	5.97E-10						280					
λ _{TK} (μm)	0.223						机械性质 Mechanical Properties					
折射率温度系数 Temperature Coefficients of Refractive Index							H _k (10 ⁷ Pa)		568			
温度范围 (°C)		dn/dt relative(10 ⁻⁶ /°C)							F _A		182	
Range of Temperature		t	C'	d	e	F'	g	E (10 ⁷ Pa)		9781		
-60~-40		-0.1	0.5	0.7	0.9	1.5	2.0	G (10 ⁷ Pa)		3780		
-40~-20		-0.1	0.5	0.7	0.9	1.5	2.2	μ		0.294		
-20~0		0.0	0.8	1.1	1.3	2.0	2.6	B (10 ⁻¹² /Pa)		1.51		
0~20		0.2	0.9	1.2	1.7	2.1	2.7	其他性质 Other Properties				
20~40		0.2	0.9	1.3	1.6	2.2	2.7	ρ (g/cm ³)		4.39		
40~60		0.3	1.1	1.3	1.6	2.5	3.1	备注 Remarks				
60~80		0.4	1.1	1.4	1.7	2.5	3.2					
80~100		0.5	1.0	1.4	1.7	2.5	3.2					
100~120		0.6	1.2	1.6	1.8	2.5	3.6					
120~140		0.8	1.6	1.9	2.3	3.0	3.6					