

H-LaF3B		744449		$n_d = 1.74400$		$v_d = 44.90$		$n_F - n_C = 0.016570$			
				$n_e = 1.74794$		$v_e = 44.63$		$n_{F'} - n_{C'} = 0.016760$			
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)			Internal Transmittance		
	λ (nm)	n_λ		$P_{d,C}$	0.2981	RC (S)	1		λ (nm)	τ_{5mm}	τ_{10mm}
n_{2325}	2325.42	1.70713		$P_{e,d}$	0.2378	RA (S)	3		2400	0.914	0.835
n_{1970}	1970.09	1.71244		$P_{g,F}$	0.5631	D_W	1		2200	0.960	0.922
n_{1530}	1529.58	1.71852		$P'_{d,c'}$	0.2482	D_A	3		2000	0.983	0.966
n_{1129}	1128.64	1.72451		$P'_{e,d}$	0.2351	R_{OH} (S)	1		1800	0.999	0.998
n_{1064}	1064.00	1.72568		$P'_{g,F'}$	0.4988	RP (S)	1		1600	0.999	0.998
n_t	1013.98	1.72667		Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)			1400	0.999	0.998
n_s	852.11	1.73070							$\Delta P_{F,e}$	-0.0013	$^{\circ}C$
$n_{A'}$	768.19	1.73359		$\Delta P_{g,F}$	-0.0060	-50/-40	67	1060	0.999	0.998	
n_r	706.52	1.73630		$\Delta P_{C,t}$	-0.0099	-40/-30	69	1000	0.999	0.998	
n_C	656.27	1.73906		$\Delta P_{C,s}$	-0.0036	-30/-20	71	950	0.999	0.998	
$n_{C'}$	643.85	1.73984		Thermal Properties		-20/-10	72	900	0.999	0.998	
n_{He-Ne}	632.80	1.74057				Tg ($^{\circ}C$)	630	-10/0	73	850	0.999
n_D	589.29	1.74386		Ts ($^{\circ}C$)	683	0/10	74	800	0.999	0.998	
n_d	587.56	1.74400		$T_{10}^{14.5}$ ($^{\circ}C$)	557	10/20	75	750	0.999	0.998	
n_e	546.07	1.74794		T_{10}^{13} ($^{\circ}C$)	602	20/30	76	700	0.999	0.998	
n_F	486.13	1.75563		$\alpha_{.50/80^{\circ}C}$ ($10^{-7}/K$)	74	30/40	77	650	0.999	0.998	
$n_{F'}$	479.99	1.75660		$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	89	40/50	77	600	0.999	0.998	
n_g	435.84	1.76496		λ (W/(m·K))	0.98	50/60	78	550	0.999	0.998	
n_h	404.66	1.77285		Mechanical Properties		60/70	78	500	0.999	0.998	
n_i	365.01	1.78666				70/80	78	80/90	79	480	0.999
Constants of Dispersion Formula				Mechanical Properties		80/90	79	460	0.999	0.998	
A_0	2.96773191E+00					HK (10^7Pa)	551	90/100	80	440	0.999
A_1	-1.07334025E-02			F_A	149	100/110	81	420	0.997	0.995	
A_2	2.46639798E-02			E (GPa)	97.3	110/120	82	400	0.994	0.990	
A_3	7.96273827E-04			G (GPa)	37.6	120/130	83	390	0.990	0.984	
A_4	-3.49870097E-05			μ	0.295	130/140	84	380	0.987	0.974	
A_5	3.36130613E-06			σ_b (MPa)	77	140/150	85	370	0.977	0.954	
Density		Solarization		B ($10^{-12}/Pa$)	1.57	150/160	86	360	0.954	0.911	
ρ (g/cm ³)	4.32	$\Delta\lambda$ (%)	-0.3	Coloration Code							
				$\lambda_{80}(\lambda_{70})/\lambda_5$ 365/310							
				Coloration of Internal Transmittance							
				$\lambda\tau_{80}/\lambda\tau_5$ 345/310							
				Constants of dn/dt							
				D_0 D_1 D_2							
				3.99E-08 1.22E-08 -2.10E-11							
				E_0 E_1 λ_{TK}							
				7.06E-07 -1.18E-10 1.86E-01							
Range of Temperature ($^{\circ}C$)		Temperature Coefficients of Refractive Index									
		dn/dt relative ($\times 10^{-6} / ^{\circ}C$)									
		t	s	C	C'	He-Ne	d	e	F	F'	g
-60~-40		2.1	2.4	2.6	2.6	2.6	2.9	3.2	3.7	3.8	4.4
-40~-20		2.0	2.3	2.6	2.7	2.7	2.9	3.2	3.7	3.8	4.4
-20~0		2.0	2.4	2.6	2.7	2.7	2.9	3.2	3.7	3.9	4.5
0~20		2.0	2.4	2.6	2.7	2.7	2.9	3.2	3.8	3.9	4.6
20~40		2.0	2.4	2.6	2.7	2.7	2.9	3.2	3.9	4.0	4.6
40~60		2.0	2.4	2.7	2.8	2.8	3.0	3.3	4.0	4.0	4.7
60~80		2.0	2.5	2.7	2.8	2.8	3.0	3.3	4.0	4.1	4.8
80~100		2.1	2.6	2.9	3.0	2.9	3.1	3.5	4.1	4.2	4.9
100~120		2.1	2.7	2.9	3.0	3.0	3.1	3.5	4.1	4.2	2.0
120~140		2.2	2.7	3.0	3.1	3.0	3.3	3.6	4.2	4.3	5.1
140~160		2.3	2.8	3.0	3.1	3.1	3.3	3.6	4.2	4.3	5.1