

H-LaF72	720460	$n_d = 1.72000$	$v_d = 46.02$	$n_F - n_C = 0.015645$
		$n_e = 1.72372$	$v_e = 45.77$	$n_{F'} - n_{C'} = 0.015811$

Refractive Indices			Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance						
	λ (nm)	n_λ					λ (nm)	τ_{5mm}	τ_{10mm}				
n_{2325}	2325.42	1.68194	$P_{d,C}$	0.2985	RC (S)	1	2400	0.902	0.806				
n_{1970}	1970.09	1.68799	$P_{e,d}$	0.2378	RA (S)	1	2200	0.982	0.949				
n_{1530}	1529.58	1.69476	$P_{g,F}$	0.5650	D_W	1	2000	0.993	0.986				
n_{1129}	1128.64	1.70111	$P'_{d,c'}$	0.2486	D_A	3	1800	0.998	0.996				
n_{1064}	1064.00	1.70232	$P'_{e,d}$	0.2353	$R_{OH}(S)$	1	1600	0.998	0.996				
n_t	1013.98	1.70333	$P'_{g,F'}$	0.5015	RP (S)	2	1400	0.998	0.996				
n_s	852.11	1.70732			CR		1200	0.998	0.996				
$n_{A'}$	768.19	1.71011	Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1060	0.998	0.996				
n_f	706.52	1.71271					$\Delta P_{F,e}$	-0.0014	$^{\circ}C$	α	1000	0.998	0.996
n_C	656.27	1.71533					$\Delta P_{g,F}$	-0.0021	-50/-40	60	950	0.998	0.996
$n_{C'}$	643.85	1.71607					$\Delta P_{C,t}$	0.0039	-40/-30	63	900	0.998	0.996
n_{He-Ne}	632.80	1.71676					$\Delta P_{C,s}$	0.0011	-30/-20	64	850	0.998	0.996
n_D	589.29	1.71987	Thermal Properties				800	0.998	0.996				
n_d	587.56	1.72000					T_g ($^{\circ}C$)	660	-20/-10	65	750	0.998	0.996
n_e	546.07	1.72372					T_s ($^{\circ}C$)	692	-10/0	66	700	0.998	0.996
n_F	486.13	1.73097					$T_{10}^{14.5}$ ($^{\circ}C$)	584	0/10	67	650	0.998	0.996
$n_{F'}$	479.99	1.73188					T_{10}^{13} ($^{\circ}C$)	628	10/20	68	600	0.998	0.996
n_g	435.84	1.73981	$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	67	20/30	70	550	0.998	0.996				
n_h	404.66	1.74732	$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	82	30/40	70	500	0.998	0.996				
n_i	365.01	1.76051	λ (W/(m K))	0.98	40/50	71	480	0.997	0.994				
					50/60	71	460	0.995	0.992				
					60/70	72	440	0.993	0.987				
					70/80	72	420	0.988	0.982				
					80/90	73	400	0.978	0.964				
					90/100	74	390	0.967	0.946				
					F_A	128	380	0.948	0.910				
					E (GPa)	98.1	370	0.908	0.839				
					G (GPa)	38.4	360	0.826	0.698				
					μ	0.277	350	0.638	0.423				
					σ_b (MPa)	70	340	0.303	0.098				
					B ($10^{-12}/Pa$)	1.77	330						
							320						
							310						
							300						
							290						
							280						

Constants of Dispersion Formula	
A_0	2.89068995E+00
A_1	-1.22258397E-02
A_2	2.34463603E-02
A_3	3.98991928E-04
A_4	2.73296394E-05
A_5	1.01579894E-07

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
3.88	-1.2

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	2.7	2.9	3.2	3.2	3.3	3.5	3.6	4.2	4.3	4.7
-40 ~ -20	2.7	3.0	3.2	3.3	3.3	3.5	3.6	4.2	4.3	4.8
-20 ~ 0	2.7	3.0	3.2	3.3	3.4	3.6	3.8	4.2	4.3	4.9
0 ~ 20	2.7	3.0	3.2	3.3	3.4	3.6	3.8	4.2	4.3	5.0
20 ~ 40	2.7	3.1	3.3	3.3	3.4	3.6	3.9	4.3	4.4	5.1
40 ~ 60	2.7	3.1	3.4	3.4	3.5	3.7	4.1	4.3	4.4	5.2
60 ~ 80	2.8	3.2	3.5	3.5	3.6	3.8	4.1	4.5	4.6	5.3
80 ~ 100	2.9	3.2	3.6	3.6	3.7	3.9	4.1	4.7	4.8	5.4
100 ~ 120	2.9	3.3	3.7	3.7	3.8	4.0	4.3	4.9	5.0	5.5
120 ~ 140	2.9	3.4	3.8	3.8	3.9	4.1	4.5	5.1	5.2	5.7
140 ~ 160	3.0	3.5	3.9	4.0	4.0	4.3	4.6	5.2	5.3	5.8

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	380/340
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	366/337

Constants of dn/dt		
D_0	D_1	D_2
1.36E-06	1.16E-08	-1.71E-11
E_0	E_1	λ_{TK}
6.48E-07	4.94E-10	1.99E-01