H-LaF1	694492	n_d = 1.69362	υ_d = 49.20	$n_F - n_C$ = 0.014099
		n_e = 1.69696	υ_e = 48.85	$n_{F'} - n_{C'}$ = 0.014266

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.65990
n_{1970}	1970.09	1.66516
n_{1530}	1529.58	1.67106
n_{1129}	1128.64	1.67666
n_{1064}	1064.00	1.67773
n_t	1013.98	1.67863
n_s	852.11	1.68220
$n_{A'}$	768.19	1.68471
n_r	706.52	1.68705
n_C	656.27	1.68941
$n_{C'}$	643.85	1.69007
n_{He-Ne}	632.80	1.69070
n_D	589.29	1.69350
n_d	587.56	1.69362
n_e	546.07	1.69696
n_F	486.13	1.70351
$n_{F'}$	479.99	1.70433
n_g	435.84	1.71141
n_h	404.66	1.71805
n_i	365.01	1.72957

Constants of Dispersion Formula	
A_0	2.80794251E+00
A_1	-1.04533648E-02
A_2	2.07773005E-02
A_3	4.06086547E-04
A_4	1.98268226E-05
A_5	-7.40077504E-07

Density		Solarization	
ρ (g/cm^3)	3.97	△λ (%)	-0.5

Relative Partial Dispersion	
$P_{d,C}$	0.2986
$P_{e,d}$	0.2369
$P_{g,F}$	0.5603
$P'_{d,c'}$	0.2488
$P'_{e,d}$	0.2341
$P'_{g,F'}$	0.4963

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0015
$\triangle P_{g,F}$	-0.0016
$\triangle P_{C,t}$	-0.0139
$\triangle P_{C,s}$	-0.0071

Thermal Properties	
Tg (℃)	663
Ts (℃)	699
$T_{10}^{14.5}$ (℃)	603
T_{10}^{13} (℃)	640
$\alpha_{-50/80℃}$ (10^{-7}/K)	74
$\alpha_{100/300℃}$ (10^{-7}/K)	87
λ (W/(m·K))	0.87

Mechanical Properties	
HK (10^7Pa)	545
F_A	159
E (GPa)	91.9
G (GPa)	36.0
μ	0.277
σ_b (MPa)	74
B (10^{-12}/Pa)	1.70

Chemical Properties (grade)	
RC (S)	1
RA (S)	3
D_W	1
D_A	3
R_{OH} (S)	1
RP (S)	2

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	65
-40/-30	68
-30/-20	70
-20/-10	71
-10/0	72
0/10	73
10/20	73
20/30	75
30/40	76
40/50	76
50/60	77
60/70	78
70/80	78
80/90	79
90/100	80
100/110	80
110/120	81
120/130	82
130/140	83
140/150	83
150/160	84

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.922	0.850
2200	0.976	0.953
2000	0.990	0.980
1800	0.999	0.998
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.999	0.998
750	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.997	0.994
460	0.995	0.990
440	0.992	0.986
420	0.987	0.982
400	0.981	0.971
390	0.974	0.957
380	0.961	0.931
370	0.932	0.876
360	0.866	0.759
350	0.716	0.521
340	0.409	0.174
330	0.078	0.010
320		
310		
300		
290		
280		

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (×10^{-6} / ℃)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60～-40	1.3	1.6	1.8	1.8	1.9	2.0	2.2	2.6	2.7	3.2
-40～-20	1.3	1.7	1.9	1.9	1.9	2.0	2.2	2.6	2.7	3.2
-20～0	1.3	1.6	1.9	1.9	1.9	2.1	2.3	2.7	2.8	3.3
0～20	1.3	1.7	1.9	1.9	1.9	2.1	2.3	2.7	2.8	3.3
20～40	1.3	1.8	2.0	2.0	2.0	2.1	2.4	2.7	2.8	3.5
40～60	1.4	1.8	2.1	2.1	2.1	2.1	2.4	2.8	2.9	3.5
60～80	1.5	1.9	2.1	2.1	2.1	2.3	2.5	3.0	3.1	3.6
80～100	1.5	1.9	2.1	2.2	2.2	2.3	2.6	3.1	3.3	3.7
100～120	1.5	1.9	2.1	2.2	2.2	2.3	2.7	3.2	3.4	3.8
120～140	1.6	2.0	2.1	2.2	2.3	2.4	2.8	3.3	3.4	3.9
140～160	1.7	2.1	2.2	2.3	2.4	2.6	3.0	3.5	3.6	4.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	380/330
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	363/334

Constants of dn/dt		
D_0	D_1	D_2
-7.87E-07	1.19E-08	-2.18E-11
E_0	E_1	λ_{TK}
5.08E-07	3.70E-10	2.42E-01