H-LaF2A	717479	n_d = 1.71700	υ_d = 47.89	$n_F - n_C$ = 0.014972
		n_e = 1.72056	υ_e = 47.65	$n_{F'} - n_{C'}$ = 0.015122

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	1.69904
n_{1064}	1064.00	1.70015
n_t	1013.98	1.70108
n_s	852.11	1.70484
$n_{A'}$	768.19	1.70750
n_r	706.52	1.70999
n_C	656.27	1.71251
$n_{C'}$	643.85	1.71323
n_{He-Ne}	632.80	1.71388
n_D	589.29	1.71687
n_d	587.56	1.71700
n_e	546.07	1.72056
n_F	486.13	1.72748
$n_{F'}$	479.99	1.72835
n_g	435.84	1.73587
n_h	404.66	1.74295
n_i	365.01	1.75527

Constants of Dispersion Formula	
A_0	2.88020693E+00
A_1	-9.72282525E-03
A_2	2.40408618E-02
A_3	2.48389828E-05
A_4	6.26809703E-05
A_5	-1.98030657E-06

Density		Solarization	
ρ (g/cm^3)	4.21	△λ (%)	0.3

Relative Partial Dispersion	
$P_{d,C}$	0.2999
$P_{e,d}$	0.2378
$P_{g,F}$	0.5604
$P'_{d,c'}$	0.2493
$P'_{e,d}$	0.2354
$P'_{g,F'}$	0.4973

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0016
$\triangle P_{g,F}$	-0.0037
$\triangle P_{C,t}$	-0.0087
$\triangle P_{C,s}$	-0.0030

Thermal Properties	
Tg (℃)	689
Ts (℃)	731
$T_{10^{14.5}}$ (℃)	621
$T_{10^{13}}$ (℃)	662
$\alpha_{-50/80℃}$ (10^{-7}/K)	77
$\alpha_{100/300℃}$ (10^{-7}/K)	90
λ (W/(m·K))	0.63

Mechanical Properties	
HK (10^7Pa)	530
F_A	122
E (GPa)	91.7
G (GPa)	35.5
μ	0.293
σ_b (MPa)	85
B (10^{-12}/Pa)	1.29

Chemical Properties (grade)	
RC (S)	1
RA (S)	2
D_W	1
D_A	4
R_{OH} (S)	1
RP (S)	2

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	67
-40/-30	72
-30/-20	73
-20/-10	75
-10/0	75
0/10	76
10/20	78
20/30	78
30/40	78
40/50	80
50/60	80
60/70	83
70/80	83
80/90	84
90/100	84
100/110	84
110/120	85
120/130	85
130/140	86
140/150	88
150/160	89

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.907	0.822
2200	0.967	0.935
2000	0.986	0.971
1800	0.994	0.988
1600	0.998	0.995
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	0.998	0.997
600	0.999	0.997
550	0.999	0.997
500	0.998	0.996
480	0.997	0.994
460	0.996	0.992
440	0.995	0.990
420	0.993	0.986
400	0.989	0.977
390	0.983	0.967
380	0.974	0.948
370	0.951	0.905
360	0.900	0.810
350	0.770	0.593
340	0.488	0.238
330	0.143	0.020
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	-0.2	0.1	0.3	0.4	0.4	0.7	0.9	1.2	1.2	1.6
-40～-20	-0.2	0.1	0.3	0.4	0.5	0.7	0.9	1.3	1.3	1.6
-20～0	-0.1	0.2	0.4	0.4	0.5	0.7	1.0	1.3	1.3	1.7
0～20	-0.2	0.3	0.4	0.5	0.5	0.8	1.0	1.3	1.3	1.7
20～40	-0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.3	1.4	1.8
40～60	-0.2	0.3	0.4	0.5	0.6	0.9	1.1	1.3	1.4	1.8
60～80	-0.2	0.4	0.5	0.6	0.7	0.9	1.1	1.3	1.4	1.8
80～100	-0.1	0.5	0.5	0.7	0.9	1.0	1.3	1.5	1.6	2.0
100～120	-0.1	0.6	0.6	0.7	1.0	1.2	1.4	1.7	1.9	2.1
120～140	0.0	0.6	0.8	0.8	1.1	1.4	1.5	1.9	2.1	2.3
140～160	0.0	0.6	0.8	0.9	1.2	1.6	1.8	1.9	2.1	2.3

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/335
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	360/332

Constants of dn/dt		
D_0	D_1	D_2
-3.77E-06	1.15E-08	-1.71E-11
E_0	E_1	λ_{TK}
7.48E-07	4.03E-10	8.88E-09