D-LaF50-170	774494	n_d = 1.77420	υ_d = 49.41	$n_F - n_C$ = 0.015670
		n_e = 1.77793	υ_e = 49.17	$n_F - n_{C'}$ = 0.015820

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.73298
n_{1970}	1970.09	1.74004
n_{1530}	1529.58	1.74780
n_{1129}	1128.64	1.75479
n_{1064}	1064.00	1.75608
n_t	1013.98	1.75714
n_s	852.11	1.76129
$n_{A'}$	768.19	1.76416
n_r	706.52	1.76681
n_C	656.27	1.76947
$n_{C'}$	643.85	1.77022
n_{He-Ne}	632.80	1.77092
n_D	589.29	1.77406
n_d	587.56	1.77420
n_e	546.07	1.77793
n_F	486.13	1.78514
$n_{F'}$	479.99	1.78604
n_g	435.84	1.79377
n_h	404.66	1.80098
n_i	365.01	1.81346

Relative Partial Dispersion	
$P_{d,C}$	0.3019
$P_{e,d}$	0.2380
$P_{g,F}$	0.5507
$P'_{d,c'}$	0.2516
$P'_{e,d}$	0.2358
$P'_{g,F'}$	0.4886

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0028
$\triangle P_{g,F}$	-0.0108
$\triangle P_{C,t}$	0.0073
$\triangle P_{C,s}$	0.0030

Thermal Properties	
Tg (℃)	628
Ts (℃)	662
$T_{10}^{14.5}$ (℃)	578
T_{10}^{13} (℃)	612
$\alpha_{-50/80℃}$ (10^{-7}/K)	60
$\alpha_{100/300℃}$ (10^{-7}/K)	76
λ (W/(m K))	0.80
β_d	138

Mechanical Properties	
HK (10^7Pa)	597
F_A	82
E (GPa)	114.8
G (GPa)	43.4
μ	0.323
σ_b (MPa)	100
B (10^{-12}/Pa)	1.52

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

Expansion Coefficient α ($\times 10^{-7}$/K)	
℃	α
-50/-40	53
-40/-30	54
-30/-20	56
-20/-10	57
-10/0	58
0/10	58
10/20	59
20/30	60
30/40	61
40/50	62
50/60	63
60/70	64
70/80	65
80/90	66
90/100	66
100/110	67
110/120	67
120/130	68
130/140	68
140/150	70
150/160	72

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.814	0.663
2200	0.949	0.900
2000	0.980	0.960
1800	0.993	0.985
1600	0.996	0.992
1400	0.998	0.996
1200	0.998	0.996
1060	0.998	0.996
1000	0.998	0.996
950	0.998	0.996
900	0.998	0.996
850	0.998	0.996
800	0.998	0.996
750	0.998	0.996
700	0.998	0.996
650	0.998	0.996
600	0.997	0.994
550	0.996	0.993
500	0.995	0.990
480	0.994	0.989
460	0.993	0.986
440	0.992	0.983
420	0.990	0.980
400	0.987	0.974
390	0.984	0.969
380	0.979	0.959
370	0.966	0.933
360	0.942	0.887
350	0.920	0.847
340	0.890	0.792
330	0.849	0.720
320	0.791	0.626
310	0.632	0.400
300	0.539	0.290
290	0.469	0.220
280	0.362	0.131

Constants of Dispersion Formula	
A_0	3.07996867E+00
A_1	-1.49730363E-02
A_2	2.26125445E-02
A_3	1.12810004E-03
A_4	-9.99130408E-05
A_5	6.18705456E-06

Density	
ρ (g/cm^3)	4.62

Solarization	
△λ (%)	-2.4

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative ($\times 10^{-6}$ / ℃)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	2.4	2.8	2.9	2.9	3.0	3.2	3.5	3.9	4.0	4.7
-40 ~ -20	2.4	2.8	2.9	3.0	3.1	3.3	3.7	4.2	4.3	5.0
-20 ~ 0	2.5	2.9	3.0	3.0	3.2	3.6	4.0	4.5	4.6	5.3
0 ~ 20	2.7	2.9	3.2	3.2	3.3	3.8	4.2	4.9	5.0	5.7
20 ~ 40	2.8	3.0	3.4	3.4	3.5	3.9	4.5	5.3	5.4	6.1
40 ~ 60	2.9	3.1	3.4	3.5	3.6	4.0	4.7	5.6	5.6	6.5
60 ~ 80	3.0	3.2	3.4	3.5	3.6	4.3	4.9	5.8	5.9	7.0
80 ~ 100	3.0	3.4	3.6	3.6	3.8	4.4	5.1	6.0	6.1	7.3
100 ~ 120	3.0	3.6	3.8	3.8	4.0	4.6	5.3	6.1	6.2	7.5
120 ~ 140	3.1	3.6	3.9	3.9	4.1	4.8	5.4	6.2	6.3	7.6
140 ~ 160	3.2	3.7	4.1	4.2	4.3	5.0	5.6	6.3	6.4	7.8

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/280
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	336/276

Constants of dn/dt		
D_0	D_1	D_2
9.91E-07	1.25E-08	-3.05E-11
E_0	E_1	λ_{TK}
6.90E-07	1.39E-09	2.72E-01

NHG