D-ZLaF53	834373	n_d = 1.83441	υ_d = 37.28	$n_F - n_C$ = 0.022380
		n_e = 1.83972	υ_e = 37.04	$n_{F'} - n_{C'}$ = 0.022672

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.78506
n_{1970}	1970.09	1.79228
n_{1530}	1529.58	1.80047
n_{1129}	1128.64	1.80847
n_{1064}	1064.00	1.81004
n_t	1013.98	1.81137
n_s	852.11	1.81671
$n_{A'}$	768.19	1.82054
n_r	706.52	1.82414
n_C	656.27	1.82781
$n_{C'}$	643.85	1.82884
n_{He-Ne}	632.80	1.82981
n_D	589.29	1.83421
n_d	587.56	1.83441
n_e	546.07	1.83972
n_F	486.13	1.85019
$n_{F'}$	479.99	1.85152
n_g	435.84	1.86316
n_h	404.66	1.87437
n_i	365.01	1.89451

Relative Partial Dispersion	
$P_{d,C}$	0.2949
$P_{e,d}$	0.2373
$P_{g,F}$	0.5795
$P'_{d,c'}$	0.2457
$P'_{e,d}$	0.2342
$P'_{g,F'}$	0.5134

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

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.860	0.740
2200	0.970	0.941
2000	0.995	0.990
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	0.997	0.995
480	0.994	0.990
460	0.989	0.983
440	0.983	0.972
420	0.971	0.950
400	0.947	0.905
390	0.923	0.860
380	0.882	0.784
370	0.805	0.651
360	0.641	0.412
350	0.346	0.116
340	0.051	0.004
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0018
$\triangle P_{g,F}$	-0.0021
$\triangle P_{C,t}$	0.0138
$\triangle P_{C,s}$	0.0061

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	51
-40/-30	54
-30/-20	55
-20/-10	58
-10/0	59
0/10	60
10/20	60
20/30	61
30/40	62
40/50	63
50/60	63
60/70	64
70/80	64
80/90	65
90/100	66
100/110	67
110/120	68
120/130	69
130/140	70
140/150	71
150/160	71

Thermal Properties	
Tg (℃)	571
Ts (℃)	606
$T_{10}^{14.5}$ (℃)	529
T_{10}^{13} (℃)	548
$\alpha_{-50/80℃}$ (10^{-7}/K)	60
$\alpha_{100/300℃}$ (10^{-7}/K)	77
λ (W/(m·K))	0.95
β_d	175

Mechanical Properties	
HK (10^7Pa)	671
F_A	83
E (GPa)	117.2
G (GPa)	44.5
μ	0.319
σ_b (MPa)	63
B (10^{-12}/Pa)	2.01

Constants of Dispersion Formula	
A_0	3.26258096E+00
A_1	-1.52499377E-02
A_2	3.41466836E-02
A_3	9.84000388E-04
A_4	1.27478564E-05
A_5	3.62442642E-06

Density	
ρ (g/cm^3)	4.46

Solarization	
△λ (%)	-0.3

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	6.1	6.5	6.7	6.8	6.9	7.3	7.8	8.5	8.7	9.5
-40 ~ -20	6.2	6.6	7.0	7.0	7.1	7.5	8.0	8.7	8.9	9.7
-20 ~ 0	6.4	6.9	7.1	7.2	7.2	7.7	8.1	9.1	9.2	9.9
0 ~ 20	6.5	6.9	7.1	7.2	7.4	7.7	8.2	9.1	9.5	10.1
20 ~ 40	6.5	7.0	7.3	7.3	7.4	7.8	8.3	9.2	9.5	10.1
40 ~ 60	6.5	7.1	7.3	7.4	7.5	7.8	8.4	9.2	9.6	10.4
60 ~ 80	6.5	7.3	7.5	7.5	7.6	7.9	8.4	9.5	9.8	10.6
80 ~ 100	6.6	7.4	7.7	7.7	7.8	8.1	8.5	9.9	9.8	10.9
100 ~ 120	6.7	7.5	7.9	8.0	8.0	8.2	8.7	10.2	10.0	11.3
120 ~ 140	6.7	7.6	8.0	8.1	8.1	8.3	8.9	10.5	10.1	11.6
140 ~ 160	6.8	7.8	8.0	8.1	8.2	8.4	9.1	10.8	10.2	11.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	430/350
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	382/347

Constants of dn/dt		
D_0	D_1	D_2
6.76E-06	1.23E-08	-2.21E-11
E_0	E_1	λ_{TK}
7.14E-07	6.99E-10	2.68E-01

NHG