D-ZLaF851	851401	n_d = 1.85135	υ_d = 40.10	$n_F - n_C$ = 0.021229
		n_e = 1.85639	υ_e = 39.85	$n_{F'} - n_{C'}$ = 0.021488

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.80390
n_{1970}	1970.09	1.81087
n_{1530}	1529.58	1.81878
n_{1129}	1128.64	1.82650
n_{1064}	1064.00	1.82801
n_t	1013.98	1.82929
n_s	852.11	1.83442
$n_{A'}$	768.19	1.83808
n_r	706.52	1.84154
n_C	656.27	1.84505
$n_{C'}$	643.85	1.84604
n_{He-Ne}	632.80	1.84697
n_D	589.29	1.85116
n_d	587.56	1.85135
n_e	546.07	1.85639
n_F	486.13	1.86628
$n_{F'}$	479.99	1.86753
n_g	435.84	1.87838
n_h	404.66	1.88871
n_i	365.01	1.90699

Relative Partial Dispersion	
$P_{d,C}$	0.2968
$P_{e,d}$	0.2374
$P_{g,F}$	0.5700
$P'_{d,C'}$	0.2471
$P'_{e,d}$	0.2345
$P'_{g,F'}$	0.5049

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

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.885	0.783
2200	0.984	0.968
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	0.995	0.992
460	0.992	0.989
440	0.988	0.983
420	0.984	0.972
400	0.971	0.949
390	0.958	0.923
380	0.935	0.878
370	0.893	0.792
360	0.794	0.619
350	0.585	0.324
340	0.228	0.049
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0022
$\triangle P_{g,F}$	-0.0070
$\triangle P_{C,t}$	0.0080
$\triangle P_{C,s}$	0.0041

Expansion Coefficient α (×10^{-7}/K)	
℃	α
-50/-40	54
-40/-30	57
-30/-20	58
-20/-10	60
-10/0	61
0/10	62
10/20	63
20/30	64
30/40	64
40/50	65
50/60	66
60/70	66
70/80	67
80/90	68
90/100	69
100/110	70
110/120	71
120/130	72
130/140	73
140/150	74
150/160	75

Thermal Properties	
Tg (℃)	619
Ts (℃)	655
$T_{10}^{14.5}$ (℃)	568
T_{10}^{13} (℃)	585
$\alpha_{-50/80℃}$ (10^{-7}/K)	62
$\alpha_{100/300℃}$ (10^{-7}/K)	77
λ (W/(m K))	0.96
β_d	148

Mechanical Properties	
HK (10^7Pa)	634
F_A	75
E (GPa)	127.0
G (GPa)	47.2
μ	0.345
σ_b (MPa)	98
B (10^{-12}/Pa)	1.61

Constants of Dispersion Formula	
A_0	3.32860198E+00
A_1	-1.49218815E-02
A_2	3.29458426E-02
A_3	1.05526131E-03
A_4	-2.14847086E-05
A_5	3.89175295E-06

Density	
ρ (g/cm^3)	4.81

Solarization	
△λ (%)	-0.8

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	5.0	5.3	5.6	5.6	5.7	6.0	6.1	6.4	6.4	6.9
-40 ~ -20	5.1	5.4	5.6	5.7	5.8	6.0	6.3	6.6	6.7	7.4
-20 ~ 0	5.3	5.6	5.8	5.9	6.0	6.1	6.4	6.6	6.7	7.7
0 ~ 20	5.3	5.6	5.9	6.0	6.1	6.2	6.6	6.6	6.7	8.0
20 ~ 40	5.4	5.7	6.0	6.1	6.2	6.3	6.7	6.8	6.9	8.4
40 ~ 60	5.4	5.7	6.0	6.1	6.2	6.4	6.8	6.9	7.0	8.7
60 ~ 80	5.5	5.7	6.0	6.1	6.2	6.4	6.9	7.1	7.2	8.9
80 ~ 100	5.6	5.8	6.0	6.1	6.2	6.4	7.0	7.2	7.3	9.1
100 ~ 120	5.7	5.9	6.1	6.1	6.2	6.5	7.1	7.4	7.5	9.2
120 ~ 140	5.8	6.0	6.1	6.2	6.3	6.6	7.2	7.7	7.7	9.4
140 ~ 160	5.8	6.0	6.1	6.2	6.3	6.7	7.3	7.9	7.9	9.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(380)/340
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	371/340

Constants of dn/dt		
D_0	D_1	D_2
5.68E-06	1.13E-08	-2.80E-11
E_0	E_1	λ_{TK}
2.16E-07	4.91E-10	3.62E-01

NHG