

H-ZLaF68L 883392	$n_d = 1.88300$	$v_d = 39.22$	$n_F - n_C = 0.022515$
	$n_e = 1.88835$	$v_e = 38.97$	$n_{F'} - n_{C'} = 0.022798$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	1.84942
n_{1129}	1128.64	1.85707
n_{1064}	1064.00	1.85859
n_t	1013.98	1.85990
n_s	852.11	1.86519
$n_{A'}$	768.19	1.86902
n_r	706.52	1.87265
n_C	656.27	1.87635
$n_{C'}$	643.85	1.87740
n_{He-Ne}	632.80	1.87837
n_D	589.29	1.88281
n_d	587.56	1.88300
n_e	546.07	1.88835
n_F	486.13	1.89887
$n_{F'}$	479.99	1.90019
n_g	435.84	1.91170
n_h	404.66	1.92270
n_i	365.01	1.94220

Constants of Dispersion Formula	
A_0	3.43867274E+00
A_1	-1.43248055E-02
A_2	3.49115425E-02
A_3	1.45301670E-03
A_4	-7.62581625E-05
A_5	7.47668790E-06

Density		Solarization	
ρ (g/cm ³)	5.12	$\Delta\lambda$ (%)	-0.5

Relative Partial Dispersion	
$P_{d,C}$	0.2954
$P_{e,d}$	0.2376
$P_{g,F}$	0.5698
$P'_{d,c'}$	0.2456
$P'_{e,d}$	0.2347
$P'_{g,F'}$	0.5049

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0013
$\Delta P_{g,F}$	-0.0086
$\Delta P_{C,t}$	0.0005
$\Delta P_{C,s}$	0.0011

Thermal Properties	
T _g (°C)	720
T _s (°C)	748
T ₁₀ ^{14.5} (°C)	673
T ₁₀ ¹³ (°C)	703
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	71
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	83
λ (W/(m·K))	0.78

Mechanical Properties	
HK (10 ⁷ Pa)	700
F _A	74
E (GPa)	124.4
G (GPa)	46.7
μ	0.333
σ_b (MPa)	125.3
B (10 ⁻¹² /Pa)	0.93

Chemical Properties (grade)	
RC (S)	1
RA (S)	1
D _W	1
D _A	2
R _{OH} (S)	1
RP (S)	1

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	63
-40/-30	65
-30/-20	67
-20/-10	68
-10/0	69
0/10	70
10/20	71
20/30	72
30/40	73
40/50	73
50/60	74
60/70	75
70/80	76
80/90	77
90/100	78
100/110	79
110/120	80
120/130	81
130/140	82
140/150	84
150/160	85

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.898	0.807
2200	0.970	0.940
2000	0.988	0.976
1800	0.995	0.991
1600	0.998	0.996
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	0.998	0.996
500	0.995	0.990
480	0.991	0.983
460	0.987	0.975
440	0.982	0.964
420	0.974	0.949
400	0.957	0.915
390	0.939	0.881
380	0.910	0.828
370	0.861	0.741
360	0.771	0.594
350	0.605	0.366
340	0.333	0.111
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(380)/340
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	377/338

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 ⁻⁶ / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	0.9	1.4	1.9	2.0	2.2	2.5	3.2	3.4	3.7	4.9
-40 ~ -20	0.9	1.6	2.0	2.0	2.3	2.7	3.3	3.6	3.9	5.0
-20 ~ 0	1.0	1.6	2.1	2.2	2.5	2.7	3.5	3.6	4.0	5.1
0 ~ 20	1.2	1.7	2.3	2.4	2.6	2.8	3.7	3.8	4.2	5.3
20 ~ 40	1.3	1.7	2.4	2.4	2.6	2.9	3.8	4.1	4.3	5.4
40 ~ 60	1.5	1.9	2.4	2.6	2.8	3.0	3.9	4.1	4.4	5.5
60 ~ 80	1.6	2.1	2.6	2.8	2.9	3.3	4.1	4.3	4.5	5.6
80 ~ 100	1.6	2.3	2.8	2.9	3.0	3.5	4.2	4.5	4.6	5.7
100 ~ 120	1.8	2.3	2.9	3.0	3.2	3.5	4.4	4.6	4.7	5.9
120 ~ 140	1.9	2.4	3.0	3.1	3.3	3.7	4.4	4.7	4.8	6.1
140 ~ 160	1.9	2.6	3.1	3.2	3.4	3.9	4.6	4.9	5.1	6.4

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.77E-06	1.42E-08	-2.29E-11
E ₀	E ₁	λ_{TK}
1.13E-06	1.17E-10	1.38E-01