

H-ZLaF76A	850301	$n_d = 1.85013$	$v_d = 30.06$	$n_F - n_C = 0.028285$
		$n_e = 1.85681$	$v_e = 29.84$	$n_{F'} - n_{C'} = 0.028715$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	1.81918
n_{1064}	1064.00	1.82091
n_t	1013.98	1.82239
n_s	852.11	1.82855
$n_{A'}$	768.19	1.83308
n_f	706.52	1.83743
n_C	656.27	1.84192
$n_{C'}$	643.85	1.84320
n_{He-Ne}	632.80	1.84441
n_D	589.29	1.84988
n_d	587.56	1.85013
n_e	546.07	1.85681
n_F	486.13	1.87021
$n_{F'}$	479.99	1.87192
n_g	435.84	1.88716
n_h	404.66	1.90224
n_i	365.01	1.93060

Relative Partial Dispersion	
$P_{d,C}$	0.2903
$P_{e,d}$	0.2362
$P_{g,F}$	0.5993
$P'_{d,c'}$	0.2413
$P'_{e,d}$	0.2326
$P'_{g,f'}$	0.5307

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

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.891	0.793
2200	0.956	0.914
2000	0.982	0.965
1800	0.991	0.983
1600	0.996	0.993
1400	0.997	0.994
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	0.997
600	0.997	0.995
550	0.996	0.992
500	0.991	0.982
480	0.987	0.974
460	0.982	0.964
440	0.974	0.948
420	0.957	0.916
400	0.919	0.844
390	0.876	0.768
380	0.789	0.622
370	0.577	0.333
360	0.252	0.063
350		
340		
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	0.0056
$\Delta P_{C,t}$	0.0047
$\Delta P_{C,s}$	0.0001

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	65
-40/-30	67
-30/-20	67
-20/-10	68
-10/0	70
0/10	71
10/20	71
20/30	73
30/40	75
40/50	76
50/60	77
60/70	78
70/80	78
80/90	81
90/100	82
100/110	84
110/120	85
120/130	86
130/140	88
140/150	88
150/160	89

Thermal Properties	
T _g ($^{\circ}C$)	633
T _s ($^{\circ}C$)	682
T ₁₀ ^{14.5} ($^{\circ}C$)	570
T ₁₀ ¹³ ($^{\circ}C$)	606
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	72
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	88
λ (W/(m K))	0.94

Constants of Dispersion Formula	
A ₀	3.29574422E+00
A ₁	-1.45780001E-02
A ₂	3.91228442E-02
A ₃	2.60140747E-03
A ₄	-1.83898297E-04
A ₅	2.23647491E-05

Mechanical Properties	
HK (10^7 Pa)	558
F _A	188
E (GPa)	122.0
G (GPa)	47.0
μ	0.297
σ_b (MPa)	
B (10^{-12} /Pa)	1.93

Density		Solarization	
ρ (g/cm ³)	4.06	$\Delta\lambda$ (%)	0.0

Range of Temperature ($^{\circ}C$)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($\times 10^{-6} / ^{\circ}C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	1.6	1.9	2.4	2.5	2.7	2.9	3.5	3.7	3.9	5.8
-40 ~ -20	1.6	2.2	2.6	2.7	2.9	3.1	3.6	3.9	4.1	6.2
-20 ~ 0	1.8	2.4	2.6	2.8	3.0	3.2	3.8	4.0	4.3	6.5
0 ~ 20	1.8	2.5	2.8	2.9	3.1	3.3	3.9	4.1	4.5	6.8
20 ~ 40	1.9	2.6	2.9	3.0	3.3	3.5	4.1	4.2	4.6	7.1
40 ~ 60	2.1	2.7	2.9	3.1	3.4	3.7	4.2	4.4	4.7	7.3
60 ~ 80	2.2	2.8	3.0	3.3	3.6	4.0	4.4	4.7	5.0	7.6
80 ~ 100	2.3	2.9	3.2	3.5	3.8	4.2	4.5	4.9	5.1	7.8
100 ~ 120	2.5	3.1	3.4	3.6	4.0	4.3	4.8	5.1	5.3	8.0
120 ~ 140	2.6	3.3	3.6	3.8	4.2	4.5	5.0	5.3	5.6	8.2
140 ~ 160	2.7	3.5	3.8	4.1	4.4	4.6	5.1	5.5	5.8	8.4

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(405)/360
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	394/361

Constants of dn/dt		
D ₀	D ₁	D ₂
4.46E-07	1.46E-08	-2.16E-11
E ₀	E ₁	λ_{TK}
3.92E-07	2.47E-10	3.60E-01