

H-ZLaF66A	801350	$n_d = 1.80100$	$v_d = 34.97$	$n_F - n_C = 0.022907$
		$n_e = 1.80642$	$v_e = 34.72$	$n_F - n_C = 0.023227$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.75440
n_{1970}	1970.09	1.76062
n_{1530}	1529.58	1.76782
n_{1129}	1128.64	1.77518
n_{1064}	1064.00	1.77667
n_t	1013.98	1.77795
n_s	852.11	1.78317
$n_{A'}$	768.19	1.78697
n_f	706.52	1.79058
n_C	656.27	1.79427
$n_{C'}$	643.85	1.79533
n_{He-Ne}	632.80	1.79632
n_D	589.29	1.80079
n_d	587.56	1.80100
n_e	546.07	1.80642
n_F	486.13	1.81718
$n_{F'}$	479.99	1.81855
n_g	435.84	1.83064
n_h	404.66	1.84242
n_i	365.01	1.86397

Relative Partial Dispersion	
$P_{d,C}$	0.2938
$P_{e,d}$	0.2366
$P_{g,F}$	0.5876
$P'_{d,c'}$	0.2441
$P'_{e,d}$	0.2333
$P'_{g,F'}$	0.5205

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	0.936	0.876
2200	0.979	0.958
2000	0.991	0.983
1800	0.996	0.992
1600	0.998	0.996
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	0.998	0.996
550	0.997	0.994
500	0.994	0.989
480	0.991	0.983
460	0.987	0.975
440	0.982	0.963
420	0.970	0.942
400	0.946	0.895
390	0.920	0.845
380	0.866	0.751
370	0.748	0.558
360	0.491	0.241
350	0.155	0.024
340		
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0012
$\Delta P_{g,F}$	0.0021
$\Delta P_{C,t}$	0.0029
$\Delta P_{C,s}$	0.0002

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	66
-40/-30	69
-30/-20	71
-20/-10	72
-10/0	74
0/10	74
10/20	75
20/30	76
30/40	77
40/50	78
50/60	78
60/70	79
70/80	79
80/90	80
90/100	81
100/110	82
110/120	83
120/130	85
130/140	86
140/150	87
150/160	88

Thermal Properties	
T _g ($^{\circ}C$)	677
T _s ($^{\circ}C$)	719
T ₁₀ ^{14.5} ($^{\circ}C$)	618
T ₁₀ ¹³ ($^{\circ}C$)	668
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	76
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	93
λ (W/(m K))	1.15

Constants of Dispersion Formula	
A ₀	3.14021962E+00
A ₁	-1.26812790E-02
A ₂	3.37217299E-02
A ₃	1.19133791E-03
A ₄	-2.03909360E-05
A ₅	7.64423823E-06

Mechanical Properties	
HK (10^7 Pa)	640
F _A	128
E (GPa)	111.6
G (GPa)	42.1
μ	0.324
σ_b (MPa)	87
B (10^{-12} /Pa)	1.64

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
3.76	-1.3

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	3.2	3.8	4.1	4.2	4.3	4.5	4.8	5.5	5.6	6.5
-40 ~ -20	3.3	3.9	4.2	4.3	4.3	4.6	5.1	5.7	5.8	6.9
-20 ~ 0	3.3	3.8	4.3	4.4	4.4	4.8	5.4	5.9	6.0	7.0
0 ~ 20	3.4	4.0	4.4	4.5	4.6	5.0	5.7	6.1	6.1	7.4
20 ~ 40	3.6	4.1	4.6	4.6	4.7	5.0	5.8	6.3	6.3	7.6
40 ~ 60	3.7	4.3	4.8	4.8	4.8	5.3	5.9	6.4	6.5	8.0
60 ~ 80	3.8	4.5	4.8	4.9	4.9	5.4	6.1	6.6	6.6	8.1
80 ~ 100	3.8	4.5	4.9	5.0	5.1	5.5	6.1	6.8	6.9	8.4
100 ~ 120	4.0	4.7	5.0	5.1	5.2	5.6	6.3	7.1	7.1	8.6
120 ~ 140	4.1	4.8	5.2	5.3	5.3	5.8	6.4	7.2	7.2	8.8
140 ~ 160	4.3	4.9	5.4	5.5	5.5	6.0	6.6	7.3	7.4	9.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	425/355
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	387/354

Constants of dn/dt		
D ₀	D ₁	D ₂
2.52E-06	1.35E-08	-2.56E-11
E ₀	E ₁	λ_{TK}
7.53E-07	7.09E-10	2.67E-01