H-ZLaF66 801350

n_d = 1.80100	υ_d = 34.97	$n_F - n_C$ = 0.022907
n_e = 1.80642	υ_e = 34.72	$n_{F'} - n_{C'}$ = 0.023227

Refractive Indices		
	λ(nm)	
n_r	706.5	1.79055
n_C	656.3	1.79427
$n_{C'}$	643.8	1.79533
n_{He-Ne}	632.8	1.79632
n_D	589.3	1.80080
n_d	587.6	1.80100
n_e	546.1	1.80642
n_F	486.1	1.81718
$n_{F'}$	480.0	1.81856
n_g	435.8	1.83061
n_h	404.7	1.84236
n_i	365.0	1.86391

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D_W	1
D_A	1

Thermal Properties	
Tg(℃)	602
Ts(℃)	667
$T_{10}^{14.5}$(℃)	548
T_{10}^{13}(℃)	598
$\alpha_{20/120℃}$ (10^{-7}/K)	74
$\alpha_{20/300℃}$ (10^{-7}/K)	83
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.967	0.935
2200	0.991	0.984
2000	0.998	0.987
1800	0.998	0.996
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
700	0.998	0.996
650	0.998	0.996
600	0.998	0.996
550	0.998	0.994
500	0.995	0.988
480	0.993	0.983
460	0.989	0.975
440	0.983	0.964
420	0.972	0.945
400	0.953	0.906
390	0.927	0.860
380	0.883	0.780
370	0.791	0.625
360	0.587	0.343
350	0.237	0.054
340		
330		
320		
310		
300		
290		
280		

Constants of Dispersion Formula	
A_0	3.1328858
A_1	-9.1815181×10-3
A_2	3.8534276×10-2
A_3	-1.5369762×10-4
A_4	1.4726280×10-4
A_5	-1.1427587×10-7

Mechanical Properties	
H_K(10^7Pa)	630
F_A	91
E(10^7Pa)	11096
G(10^7Pa)	4324
μ	0.283
B(10^{-12}/Pa)	

Relative Partial Dispersion			
$P_{d,c}$	0.2938	$P'_{d,c'}$	0.2441
$P_{e,d}$	0.2366	$P'_{e,d}$	0.2333
$P_{g,F}$	0.5862	$P'_{g,F'}$	0.5187

Anomalous dispersions	
$\Delta P_{F,e}$	-0.0012
$\Delta P_{g,F}$	0.0007

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40～-20	3.8	4.7	4.8	5.1	5.4	6.3	7.3
-20～0	3.7	4.7	4.8	5.1	5.5	6.4	7.4
0～20	3.6	4.7	4.7	5.1	5.5	6.5	7.5
20～40	3.6	4.7	4.8	5.1	5.5	6.5	7.7
40～60	3.7	4.8	4.9	5.2	5.7	6.8	7.9
60～80	3.9	5.0	5.1	5.4	5.9	7.0	8.3

Density	
ρ(g/cm^3)	3.66

Coloration Code			
λ_{80}/λ_5	41/35	λ_{70}/λ_5	