

H-ZLaF66 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		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.75399
n_{1970}	1970.09	1.76033
n_{1530}	1529.58	1.76765
n_{1129}	1128.64	1.77508
n_t	1013.98	1.77787
n_s	852.11	1.78311
$n_{A'}$	768.19	1.78694
n_r	706.52	1.79055
n_C	656.27	1.79427
$n_{C'}$	643.85	1.79533
$n_{\text{He-Ne}}$	632.80	1.79632
n_D	589.29	1.80080
n_d	587.56	1.80100
n_e	546.07	1.80642
n_F	486.13	1.81718
$n_{F'}$	479.99	1.81856
n_g	435.84	1.83061
n_h	404.66	1.84231
n_i	365.01	1.86365

Constants of Dispersion Formula	
A_0	3.14027542E+00
A_1	-1.29512754E-02
A_2	3.35869785E-02
A_3	1.29233646E-03
A_4	-3.86870024E-05
A_5	8.22595195E-06

Relative Partial Dispersions			
$P_{d,C}$	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

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6} / ^\circ\text{C}$)						
	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

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

Thermal Properties	
T _g (°C)	606
T _s (°C)	669
T ₁₀ ^{14.5} (°C)	548
T ₁₀ ¹³ (°C)	598
$\alpha_{-50/80^\circ\text{C}}$ ($10^{-7}/\text{K}$)	72
$\alpha_{100/300^\circ\text{C}}$ ($10^{-7}/\text{K}$)	88

Mechanical Properties	
HK(10^7Pa)	630
F _A	91
E(10^7Pa)	11096
G(10^7Pa)	4324
μ	0.283
B(nm/cm/ 10^5Pa)	

Density	
ρ (g/cm^3)	3.66

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0012
$\Delta P_{g,F}$	0.0007
$\Delta P_{C,t}$	0.0063
$\Delta P_{C,s}$	0.0028

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400	0.951	0.907
2200	0.984	0.966
2000	0.995	0.990
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
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	0.998	0.996
500	0.996	0.992
480	0.994	0.987
460	0.990	0.980
440	0.986	0.971
420	0.979	0.959
400	0.967	0.929
390	0.948	0.889
380	0.913	0.828
370	0.840	0.698
360	0.655	0.419
350	0.280	0.074
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	410/350

Coloration of Internal Transmittance	
$\lambda\tau_{80}$	
$\lambda\tau_5$	