

H-ZLaF67 881401	$n_d = 1.88100$	$\nu_d = 40.13$	$n_F - n_C = 0.021952$
	$n_e = 1.88622$	$\nu_e = 39.90$	$n_{F'} - n_{C'} = 0.022209$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.83527
n_{1970}	1970.09	1.84141
n_{1530}	1529.58	1.84851
n_{1129}	1128.64	1.85576
n_t	1013.98	1.85849
n_s	852.11	1.86362
$n_{A'}$	768.19	1.86735
n_r	706.52	1.87088
n_C	656.27	1.87450
$n_{C'}$	643.85	1.87552
$n_{\text{He-Ne}}$	632.80	1.87648
n_D	589.29	1.88081
n_d	587.56	1.88100
n_e	546.07	1.88622
n_F	486.13	1.89645
$n_{F'}$	479.99	1.89773
n_g	435.84	1.90896
n_h	404.66	1.91961
n_i	365.01	1.93853

Constants of Dispersion Formula	
A_0	3.43263393E+00
A_1	-1.31007856E-02
A_2	3.45483476E-02
A_3	1.34177704E-03
A_4	-7.37786129E-05
A_5	7.34356017E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2961	$P'_{d,C'}$	0.2467
$P_{e,d}$	0.2378	$P'_{e,d}$	0.2350
$P_{g,F}$	0.5699	$P'_{g,F'}$	0.5056

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	4.2	5.1	5.2	5.5	5.8	6.7	7.5
-20 ~ 0	4.1	5.1	5.2	5.5	5.8	6.7	7.6
0 ~ 20	4.0	5.1	5.2	5.5	5.9	6.8	7.7
20 ~ 40	4.0	5.1	5.2	5.5	5.9	6.8	7.8
40 ~ 60	4.1	5.2	5.3	5.6	6.0	7.0	8.0
60 ~ 80	4.3	5.4	5.5	5.8	6.2	7.2	8.3

Chemical Properties (grade)	
RC(S)	1
RA(S)	2
D_W	1
D_A	2
$R_{OH}(S)$	1
RP(S)	1

Thermal Properties	
$T_g(^\circ\text{C})$	692
$T_s(^\circ\text{C})$	745
$T_{10}^{14.5}(^\circ\text{C})$	647
$T_{10}^{13}(^\circ\text{C})$	677
$\alpha_{-50/80^\circ\text{C}}(10^{-7}/\text{K})$	71
$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$	86

Mechanical Properties	
HK(10^7Pa)	710
F_A	71
$E(10^7\text{Pa})$	12209
$G(10^7\text{Pa})$	4692
μ	0.301
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	1.120

Density	
$\rho(\text{g}/\text{cm}^3)$	5.20

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0020
$\Delta P_{g,F}$	-0.0070
$\Delta P_{C,t}$	-0.0052
$\Delta P_{C,s}$	-0.0010

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.945	0.893
2200	0.980	0.972
2000	0.994	0.989
1800	0.999	0.998
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	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	0.998	0.997
650	0.997	0.995
600	0.996	0.993
550	0.995	0.990
500	0.992	0.983
480	0.989	0.976
460	0.985	0.966
440	0.979	0.954
420	0.970	0.935
400	0.949	0.896
390	0.930	0.861
380	0.899	0.803
370	0.849	0.716
360	0.761	0.579
350	0.613	0.377
340	0.358	0.129
330	0.078	0.009
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(390)/340

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