

H-ZLaF78 901371	$n_d = 1.90069$	$v_d = 37.10$	$n_F - n_C = 0.024280$
	$n_e = 1.90645$	$v_e = 36.88$	$n_{F'} - n_{C'} = 0.024580$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.85201
n_{1970}	1970.09	1.85828
n_{1530}	1529.58	1.86561
n_{1129}	1128.64	1.87323
n_t	1013.98	1.87614
n_s	852.11	1.88167
$n_{A'}$	768.19	1.88573
n_r	706.52	1.88958
n_C	656.27	1.89352
$n_{C'}$	643.85	1.89465
$n_{\text{He-Ne}}$	632.80	1.89571
n_D	589.29	1.90048
n_d	587.56	1.90069
n_e	546.07	1.90645
n_F	486.13	1.91780
$n_{F'}$	479.99	1.91923
n_g	435.84	1.93177
n_h	404.66	1.94382
n_i	365.01	1.96535

Constants of Dispersion Formula	
A_0	3.49532543E+00
A_1	-1.33990335E-02
A_2	3.79713413E-02
A_3	1.56188624E-03
A_4	-7.42686015E-05
A_5	8.65884802E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2953	$P'_{d,C'}$	0.2457
$P_{e,d}$	0.2372	$P'_{e,d}$	0.2343
$P_{g,F}$	0.5754	$P'_{g,F'}$	0.5102

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	4.8	5.8	5.8	6.1	6.6	7.5	8.5
-20 ~ 0	4.7	5.8	5.8	6.2	6.6	7.6	8.7
0 ~ 20	4.7	5.8	5.9	6.2	6.7	7.7	8.8
20 ~ 40	4.7	5.8	5.9	6.3	6.7	7.8	9.0
40 ~ 60	4.8	5.9	6.0	6.4	6.9	8.0	9.2
60 ~ 80	4.9	6.1	6.2	6.6	7.1	8.3	9.5

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

Thermal Properties	
$T_g(^{\circ}\text{C})$	673
$T_s(^{\circ}\text{C})$	723
$T_{10}^{14.5}(^{\circ}\text{C})$	625
$T_{10}^{13}(^{\circ}\text{C})$	663
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	65
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	84

Mechanical Properties	
HK(10^7Pa)	670
F_A	72
$E(10^7\text{Pa})$	12103
$G(10^7\text{Pa})$	4691
μ	0.290
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	1.020

Density	
$\rho(\text{g}/\text{cm}^3)$	5.05

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0023
$\Delta P_{g,F}$	-0.0066
$\Delta P_{C,t}$	-0.0041
$\Delta P_{C,s}$	-0.0014

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.943	0.890
2200	0.987	0.974
2000	0.998	0.996
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	0.995	0.990
500	0.991	0.984
480	0.986	0.974
460	0.980	0.962
440	0.970	0.948
420	0.953	0.915
400	0.920	0.855
390	0.891	0.804
380	0.845	0.723
370	0.775	0.611
360	0.652	0.439
350	0.429	0.194
340	0.133	0.030
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(390)/345

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