

H-ZLaF56 806333	$n_d = 1.80610$	$\nu_d = 33.27$	$n_F - n_C = 0.024229$
	$n_e = 1.81184$	$\nu_e = 33.03$	$n_{F'} - n_{C'} = 0.024579$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.75788
n_{1970}	1970.09	1.76418
n_{1530}	1529.58	1.77151
n_{1129}	1128.64	1.77906
n_t	1013.98	1.78192
n_s	852.11	1.78735
$n_{A'}$	768.19	1.79134
n_r	706.52	1.79512
n_C	656.27	1.79902
$n_{C'}$	643.85	1.80013
$n_{\text{He-Ne}}$	632.80	1.80117
n_D	589.29	1.80589
n_d	587.56	1.80610
n_e	546.07	1.81184
n_F	486.13	1.82325
$n_{F'}$	479.99	1.82471
n_g	435.84	1.83760
n_h	404.66	1.85020
n_i	365.01	1.87341

Constants of Dispersion Formula	
A_0	3.15298545E+00
A_1	-1.28281407E-02
A_2	3.50678569E-02
A_3	1.45594413E-03
A_4	-4.44157215E-05
A_5	1.00656359E-05

Relative Partial Dispersions			
$P_{d,C}$	0.2922	$P'_{d,C'}$	0.2429
$P_{e,d}$	0.2369	$P'_{e,d}$	0.2335
$P_{g,F}$	0.5922	$P'_{g,F'}$	0.5244

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	3.7	4.5	4.6	4.9	5.3	6.2	7.3
-20 ~ 0	3.6	4.6	4.7	5.0	5.4	6.4	7.6
0 ~ 20	3.6	4.6	4.7	5.0	5.4	6.5	7.7
20 ~ 40	3.5	4.6	4.7	5.0	5.4	6.6	7.9
40 ~ 60	3.6	4.7	4.8	5.1	5.6	6.8	8.1
60 ~ 80	3.8	4.9	5.0	5.4	5.9	7.1	8.5

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)	631
T _s (°C)	691
T ₁₀ ^{14.5} (°C)	582
T ₁₀ ¹³ (°C)	614
$\alpha_{-50/80^\circ\text{C}}$ ($10^{-7}/\text{K}$)	71
$\alpha_{100/300^\circ\text{C}}$ ($10^{-7}/\text{K}$)	89

Mechanical Properties	
HK(10^7Pa)	617
F _A	133
E(10^7Pa)	11174
G(10^7Pa)	4365
μ	0.280
B(nm/cm/ 10^5Pa)	2.100

Density	
ρ (g/cm ³)	3.56

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0009
$\Delta P_{g,F}$	0.0039
$\Delta P_{C,t}$	0.0044
$\Delta P_{C,s}$	0.0014

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.963	0.930
2200	0.986	0.977
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	0.996	0.991
500	0.991	0.990
480	0.989	0.986
460	0.986	0.980
440	0.981	0.971
420	0.972	0.942
400	0.951	0.900
390	0.925	0.851
380	0.876	0.759
370	0.755	0.559
360	0.474	0.216
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	430/355

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	383/354