

H-ZBaF21 723380	$n_d = 1.72341$	$v_d = 37.99$	$n_F - n_C = 0.019041$
	$n_e = 1.72793$	$v_e = 37.72$	$n_{F'} - n_{C'} = 0.019297$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.68318
n_{1970}	1970.09	1.68884
n_{1530}	1529.58	1.69529
n_{1129}	1128.64	1.70170
n_t	1013.98	1.70407
n_s	852.11	1.70850
$n_{A'}$	768.19	1.71169
n_r	706.52	1.71471
n_C	656.27	1.71781
$n_{C'}$	643.85	1.71869
$n_{\text{He-Ne}}$	632.80	1.71952
n_D	589.29	1.72325
n_d	587.56	1.72341
n_e	546.07	1.72793
n_F	486.13	1.73685
$n_{F'}$	479.99	1.73798
n_g	435.84	1.74793
n_h	404.66	1.75759
n_i	365.01	1.77526

Constants of Dispersion Formula	
A_0	2.88881294E+00
A_1	-1.12014238E-02
A_2	2.61117044E-02
A_3	1.31652955E-03
A_4	-9.02985011E-05
A_5	1.01643068E-05

Relative Partial Dispersions			
$P_{d,C}$	0.2941	$P'_{d,C'}$	0.2447
$P_{e,d}$	0.2374	$P'_{e,d}$	0.2343
$P_{g,F}$	0.5819	$P'_{g,F'}$	0.5158

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	4.4	4.5	4.7	5.0	5.8	6.6
-20 ~ 0	3.6	4.4	4.5	4.7	5.1	5.8	6.7
0 ~ 20	3.6	4.4	4.5	4.7	5.1	5.9	6.8
20 ~ 40	3.6	4.4	4.5	4.8	5.1	6.0	6.9
40 ~ 60	3.7	4.5	4.6	4.9	5.3	6.1	7.1
60 ~ 80	3.8	4.7	4.8	5.1	5.5	6.4	7.4

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

Thermal Properties	
$T_g(^\circ\text{C})$	603
$T_s(^\circ\text{C})$	667
$T_{10}^{14.5}(^\circ\text{C})$	558
$T_{10}^{13}(^\circ\text{C})$	596
$\alpha_{-50/80^\circ\text{C}}(10^{-7}/\text{K})$	67
$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$	83

Mechanical Properties	
HK(10^7Pa)	565
F_A	158
$E(10^7\text{Pa})$	10179
$G(10^7\text{Pa})$	4017
μ	0.267
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	2.170

Density	
$\rho(\text{g}/\text{cm}^3)$	3.61

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0007
$\Delta P_{g,F}$	0.0014
$\Delta P_{C,t}$	-0.0026
$\Delta P_{C,s}$	-0.0026

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.949	0.901
2200	0.980	0.960
2000	0.992	0.984
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	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.997	0.994
500	0.994	0.989
480	0.991	0.985
460	0.988	0.979
440	0.984	0.972
420	0.976	0.952
400	0.949	0.901
390	0.914	0.836
380	0.845	0.714
370	0.694	0.484
360	0.397	0.161
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	400/355

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	383/355