

H-ZBaF16 667484	$n_d = 1.66672$	$\nu_d = 48.42$	$n_F - n_C = 0.013769$
	$n_e = 1.67000$	$\nu_e = 48.13$	$n_{F'} - n_{C'} = 0.013920$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.63548
n_{1970}	1970.09	1.64006
n_{1530}	1529.58	1.64527
n_{1129}	1128.64	1.65037
n_t	1013.98	1.65221
n_s	852.11	1.65561
$n_{A'}$	768.19	1.65803
n_r	706.52	1.66030
n_C	656.27	1.66260
$n_{C'}$	643.85	1.66325
$n_{\text{He-Ne}}$	632.80	1.66386
n_D	589.29	1.66660
n_d	587.56	1.66672
n_e	546.07	1.67000
n_F	486.13	1.67637
$n_{F'}$	479.99	1.67717
n_g	435.84	1.68412
n_h	404.66	1.69065
n_i	365.01	1.70204

Constants of Dispersion Formula	
A_0	2.71895180E+00
A_1	-8.85402223E-03
A_2	2.00773116E-02
A_3	4.62134195E-04
A_4	-2.90064565E-06
A_5	1.15588784E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2992	$P'_{d,C'}$	0.2493
$P_{e,d}$	0.2382	$P'_{e,d}$	0.2356
$P_{g,F}$	0.5628	$P'_{g,F'}$	0.4993

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative (10 ⁻⁶ / °C)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	3.5	4.1	4.1	4.3	4.5	5.1	5.6
-20 ~ 0	3.4	4.1	4.1	4.3	4.6	5.1	5.7
0 ~ 20	3.4	4.1	4.1	4.3	4.6	5.1	5.7
20 ~ 40	3.3	4.0	4.1	4.3	4.5	5.1	5.8
40 ~ 60	3.3	4.1	4.1	4.3	4.6	5.2	5.9
60 ~ 80	3.4	4.2	4.2	4.5	4.8	5.4	6.1

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D _W	1
D _A	3
R _{OH} (S)	2
RP(S)	1

Thermal Properties	
T _g (°C)	564
T _s (°C)	626
T ₁₀ ^{14.5} (°C)	516
T ₁₀ ¹³ (°C)	545
$\alpha_{-50/80^\circ\text{C}}$ (10 ⁻⁷ /K)	74
$\alpha_{100/300^\circ\text{C}}$ (10 ⁻⁷ /K)	93

Mechanical Properties	
HK(10 ⁷ Pa)	555
F _A	153
E(10 ⁷ Pa)	7648
G(10 ⁷ Pa)	3000
μ	0.275
B(nm/cm/10 ⁵ Pa)	2.020

Density	
ρ (g/cm ³)	3.67

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0009
$\Delta P_{g,F}$	-0.0004
$\Delta P_{C,t}$	-0.0202
$\Delta P_{C,s}$	-0.0090

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400	0.924	0.870
2200	0.959	0.935
2000	0.980	0.970
1800	0.988	0.982
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	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.994
440	0.996	0.990
420	0.993	0.985
400	0.987	0.975
390	0.979	0.959
380	0.963	0.925
370	0.931	0.854
360	0.858	0.724
350	0.710	0.486
340	0.440	0.177
330	0.148	0.023
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/330

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