H-ZBaF65 654397

n_d = 1.65412	υ_d = 39.68	$n_F - n_C$ = 0.016484
n_e = 1.65803	υ_e = 39.46	$n_{F'} - n_{C'}$ = 0.016678

Refractive Indices		
	λ(nm)	n_λ
n_{2325}	2325.42	1.61564
n_{1970}	1970.09	1.62166
n_{1530}	1529.58	1.62838
n_{1129}	1128.64	1.63471
n_t	1013.98	1.63693
n_s	852.11	1.64096
$n_{A'}$	768.19	1.64382
n_r	706.52	1.64650
n_C	656.27	1.64922
$n_{C'}$	643.85	1.65000
n_{He-Ne}	632.80	1.65072
n_D	589.29	1.65397
n_d	587.56	1.65412
n_e	546.07	1.65803
n_F	486.13	1.66571
$n_{F'}$	479.99	1.66668
n_g	435.84	1.67517
n_h	404.66	1.68329
n_i	365.01	1.69785

Constants of Dispersion Formula	
A_0	2.66953059E+00
A_1	-1.17010300E-02
A_2	2.16799005E-02
A_3	1.06864792E-03
A_4	-6.64150432E-05
A_5	6.26541466E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2971	$P'_{d,c'}$	0.2470
$P_{e,d}$	0.2371	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5737	$P'_{g,F'}$	0.5090

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

Thermal Properties	
Tg(℃)	609
Ts(℃)	671
$T_{10}^{14.5}$(℃)	549
T_{10}^{13}(℃)	590
$\alpha_{-50/80℃}$(10^{-7}/K)	74
$\alpha_{100/300℃}$(10^{-7}/K)	89

Mechanical Properties	
HK(10^7Pa)	565
F_A	141
E(10^7Pa)	9415
G(10^7Pa)	3775
μ	0.247
B(nm/cm/10^5Pa)	3.240

Density	
ρ (g/cm^3)	3.01

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0026
$\triangle P_{g,F}$	-0.0040
$\triangle P_{C,t}$	0.0129
$\triangle P_{C,s}$	0.0053

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.917	0.840
2200	0.950	0.900
2000	0.987	0.974
1800	0.993	0.986
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	0.998	0.996
460	0.997	0.994
440	0.996	0.992
420	0.994	0.990
400	0.991	0.983
390	0.988	0.974
380	0.977	0.958
370	0.957	0.919
360	0.899	0.813
350	0.751	0.568
340	0.401	0.164
330		
320		
310		
300		
290		
280		

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	2.1	2.8	2.9	3.1	3.4	4.0	4.7
-20 ~ 0	2.4	2.9	3.0	3.2	3.4	4.0	4.7
0 ~ 20	2.6	3.1	3.2	3.4	3.7	4.1	4.8
20 ~ 40	2.8	3.3	3.4	3.6	3.8	4.3	5.1
40 ~ 60	2.8	3.4	3.5	3.7	3.9	4.6	5.5
60 ~ 80	2.8	3.4	3.6	3.8	4.2	4.9	5.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/335

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	360/336