H-ZF62GT 923209

$n_d = 1.92286$	$\upsilon_d = 20.88$	$n_F - n_C = 0.044198$
$n_e = 1.93323$	$\upsilon_e = 20.71$	$n_{F'} - n_{C'} = 0.045071$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.84761
n_{1970}	1970.09	1.85605
n_{1530}	1529.58	1.86617
n_{1129}	1128.64	1.87734
n_{1064}	1064.00	1.87974
n_t	1013.98	1.88181
n_s	852.11	1.89061
$n_{A'}$	768.19	1.89723
n_r	706.52	1.90366
n_C	656.27	1.91038
$n_{C'}$	643.85	1.91231
n_{He-Ne}	632.80	1.91413
n_D	589.29	1.92248
n_d	587.56	1.92286
n_e	546.07	1.93323
n_F	486.13	1.95457
$n_{F'}$	479.99	1.95738
n_g	435.84	1.98274
n_h	404.66	2.00892
n_i	365.01	

Relative Partial Dispersion	
$P_{d,C}$	0.2824
$P_{e,d}$	0.2346
$P_{g,F}$	0.6374
$P'_{d,c'}$	0.2341
$P'_{e,d}$	0.2301
$P'_{g,F'}$	0.5627

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0042
$\Delta P_{g,F}$	0.0284
$\Delta P_{C,t}$	0.0051
$\Delta P_{C,s}$	-0.0032

Thermal Properties	
Tg (℃)	690
Ts (℃)	725
$T_{10}^{14.5}$ (℃)	625
T_{10}^{13} (℃)	664
$\alpha_{-50/80℃}$ (10^{-7}/K)	61
$\alpha_{100/300℃}$ (10^{-7}/K)	74
λ (W/(m·K))	0.99

Mechanical Properties	
HK (10^7Pa)	485
F_A	228
E (GPa)	98.0
G (GPa)	39.0
μ	0.257
σ_b (MPa)	70.5
B (10^{-12}/Pa)	2.85

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

Expansion Coefficient α ($\times 10^{-7}$/K)	
℃	α
-50/-40	54
-40/-30	56
-30/-20	58
-20/-10	60
-10/0	61
0/10	62
10/20	62
20/30	63
30/40	63
40/50	64
50/60	64
60/70	65
70/80	65
80/90	65
90/100	67
100/110	67
110/120	68
120/130	70
130/140	70
140/150	72
150/160	72

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.961	0.924
2200	0.984	0.969
2000	0.999	0.998
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
950	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	0.998	0.997
600	0.997	0.995
550	0.997	0.994
500	0.991	0.983
480	0.988	0.975
460	0.983	0.965
440	0.974	0.949
420	0.945	0.894
400	0.836	0.700
390	0.615	0.378
380	0.245	0.060
370		
360		
350		
340		
330		
320		
310		
300		
290		
280		

Constants of Dispersion Formula	
A_0	3.49733468E+00
A_1	-1.75493772E-02
A_2	5.99594355E-02
A_3	3.90005481E-03
A_4	-1.39531497E-04
A_5	4.41807948E-05

Density	
ρ (g/cm^3)	3.93

Solarization	
△λ (%)	-0.4

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative ($\times 10^{-6}$ / ℃)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	-0.4	0.1	0.7	0.7	0.8	1.0	1.6	3.3	3.5	6.2
-40 ~ -20	0.1	0.5	1.0	1.1	1.2	1.5	2.2	3.9	4.1	6.7
-20 ~ 0	0.4	0.7	1.0	1.2	1.3	1.7	2.6	4.4	4.6	7.1
0 ~ 20	0.5	1.0	1.2	1.3	1.5	1.8	2.8	4.8	4.9	7.6
20 ~ 40	0.5	1.2	1.5	1.6	1.7	1.9	3.1	5.2	5.3	8.2
40 ~ 60	0.6	1.3	1.6	1.7	1.8	2.2	3.4	5.7	5.9	8.8
60 ~ 80	0.8	1.5	1.9	2.0	2.2	2.6	3.7	6.2	6.3	9.3
80 ~ 100	1.0	1.7	2.2	2.3	2.5	3.0	4.0	6.5	6.7	9.7
100 ~ 120	1.3	1.9	2.3	2.3	2.5	3.2	4.3	6.7	6.9	10.1
120 ~ 140	1.5	2.0	2.4	2.5	2.6	3.4	4.5	6.9	7.1	10.5
140 ~ 160	1.7	2.1	2.6	2.8	2.9	3.7	4.7	7.1	7.2	10.9

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(415)/382
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	408/380

Constants of dn/dt		
D_0	D_1	D_2
-2.92E-06	1.58E-08	-3.18E-11
E_0	E_1	λ_{TK}
8.11E-07	8.16E-10	3.44E-01