H-ZF6 755275

$n_d = 1.75520$	$\upsilon_d = 27.53$	$n_F - n_C = 0.027432$
$n_e = 1.76167$	$\upsilon_e = 27.31$	$n_{F'} - n_{C'} = 0.027888$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.70459
n_{1970}	1970.09	1.71072
n_{1530}	1529.58	1.71794
n_{1129}	1128.64	1.72566
n_{1064}	1064.00	1.72728
n_t	1013.98	1.72867
n_s	852.11	1.73450
$n_{A'}$	768.19	1.73882
n_r	706.52	1.74299
n_C	656.27	1.74729
$n_{C'}$	643.85	1.74852
n_{He-Ne}	632.80	1.74968
n_D	589.29	1.75496
n_d	587.56	1.75520
n_e	546.07	1.76167
n_F	486.13	1.77472
$n_{F'}$	479.99	1.77641
n_g	435.84	1.79141
n_h	404.66	1.80646
n_i	365.01	1.83529

Constants of Dispersion Formula	
A_0	2.96351629E+00
A_1	-1.19513676E-02
A_2	3.59998931E-02
A_3	2.29903731E-03
A_4	-1.58881885E-04
A_5	2.32603789E-05

Density	
ρ (g/cm^3)	3.15

Solarization	
△λ (%)	-0.6

Relative Partial Dispersion	
$P_{d,C}$	0.2883
$P_{e,d}$	0.2359
$P_{g,F}$	0.6084
$P'_{d,c'}$	0.2395
$P'_{e,d}$	0.2320
$P'_{g,F'}$	0.5379

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0007
$\Delta P_{g,F}$	0.0105
$\Delta P_{C,t}$	0.0053
$\Delta P_{C,s}$	-0.0002

Thermal Properties	
Tg (℃)	604
Ts (℃)	635
$T_{10}^{14.5}$ (℃)	536
T_{10}^{13} (℃)	575
$\alpha_{-50/80℃}$ (10^{-7}/K)	88
$\alpha_{100/300℃}$ (10^{-7}/K)	109
λ (W/(m·K))	1.13

Mechanical Properties	
HK (10^7Pa)	525
F_A	170
E (GPa)	92.0
G (GPa)	35.6
μ	0.290
σ_b (MPa)	80.6
B (10^{-12}/Pa)	2.54

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	81
-40/-30	84
-30/-20	86
-20/-10	88
-10/0	90
0/10	91
10/20	92
20/30	93
30/40	94
40/50	95
50/60	96
60/70	97
70/80	98
80/90	98
90/100	99
100/110	100
110/120	100
120/130	101
130/140	102
140/150	104
150/160	104

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.935	0.876
2200	0.968	0.937
2000	0.992	0.984
1800	0.997	0.994
1600	0.997	0.994
1400	0.997	0.994
1200	0.997	0.994
1060	0.997	0.994
1000	0.997	0.994
950	0.997	0.994
900	0.997	0.994
850	0.997	0.994
800	0.997	0.994
750	0.997	0.994
700	0.997	0.994
650	0.997	0.994
600	0.995	0.991
550	0.996	0.992
500	0.994	0.988
480	0.990	0.984
460	0.988	0.978
440	0.983	0.966
420	0.975	0.950
400	0.941	0.884
390	0.897	0.802
380	0.774	0.603
370	0.463	0.213
360		
350		
340		
330		
320		
310		
300		
290		
280		

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	0.1	0.6	0.9	0.9	1.0	1.4	1.9	2.8	2.9	4.3
-40 ~ -20	0.0	0.6	0.9	0.9	1.0	1.4	1.9	2.9	2.9	4.4
-20 ~ 0	0.0	0.7	1.0	1.0	1.0	1.6	2.0	3.1	3.2	4.7
0 ~ 20	0.0	0.7	1.1	1.1	1.1	1.7	2.2	3.3	3.3	4.8
20 ~ 40	0.2	0.8	1.2	1.2	1.2	1.8	2.2	3.4	3.5	5.1
40 ~ 60	0.2	0.9	1.3	1.3	1.4	1.8	2.4	3.6	3.7	5.3
60 ~ 80	0.3	1.1	1.5	1.5	1.6	2.0	2.6	3.9	4.0	5.7
80 ~ 100	0.3	1.1	1.6	1.7	1.8	2.2	3.0	4.3	4.3	5.9
100 ~ 120	0.5	1.3	1.7	1.9	2.0	2.4	3.1	4.5	4.6	6.3
120 ~ 140	0.7	1.5	2.0	2.1	2.1	2.7	3.3	4.7	4.8	6.5
140 ~ 160	0.9	1.7	2.1	2.2	2.2	2.8	3.5	4.9	5.0	6.8

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	415/365
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	389/363

Constants of dn/dt		
D_0	D_1	D_2
-3.39E-06	1.26E-08	-1.40E-11
E_0	E_1	λ_{TK}
8.90E-07	8.03E-10	2.96E-01