H-ZF6 755275

n_d = 1.75520	υ_d = 27.53	$n_F - n_C$ = 0.027432
n_e = 1.76167	υ_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_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

Relative Partial Dispersions			
$P_{d,C}$	0.2884	$P'_{d,c'}$	0.2395
$P_{e,d}$	0.2359	$P'_{e,d}$	0.2320
$P_{g,F}$	0.6085	$P'_{g,F'}$	0.5378

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(℃)	590
Ts(℃)	634
$T_{10}^{14.5}$(℃)	536
T_{10}^{13}(℃)	575
$\alpha_{-50/80℃}$(10^{-7}/K)	88
$\alpha_{100/300℃}$(10^{-7}/K)	109

Mechanical Properties	
HK(10^7Pa)	525
F_A	170
E(10^7Pa)	9080
G(10^7Pa)	3632
μ	0.250
B(nm/cm/10^5Pa)	2.680

Density	
ρ (g/cm^3)	3.15

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0008
$\triangle P_{g,F}$	0.0106
$\triangle P_{C,t}$	0.0053
$\triangle P_{C,s}$	-0.0002

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.937	0.880
2200	0.969	0.939
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
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	0.997	0.994
550	0.996	0.992
500	0.994	0.988
480	0.990	0.986
460	0.986	0.980
440	0.982	0.975
420	0.974	0.958
400	0.948	0.909
390	0.907	0.835
380	0.799	0.646
370	0.507	0.263
360	0.094	0.014
350		
340		
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	0.0	1.0	1.1	1.4	1.8	2.9	4.2
-20 ~ 0	0.0	1.1	1.1	1.5	2.0	3.2	4.6
0 ~ 20	0.0	1.1	1.2	1.6	2.1	3.3	4.8
20 ~ 40	0.0	1.2	1.2	1.6	2.1	3.5	5.0
40 ~ 60	0.2	1.3	1.4	1.8	2.3	3.7	5.3
60 ~ 80	0.3	1.5	1.6	2.0	2.6	4.0	5.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	410/365

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	387/363