H-ZF62 923209

n_d = 1.92286	υ_d = 20.88	$n_F - n_C$ = 0.044198
n_e = 1.93323	υ_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_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	

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

Relative Partial Dispersions			
$P_{d,C}$	0.2824	$P'_{d,c'}$	0.2341
$P_{e,d}$	0.2347	$P'_{e,d}$	0.2301
$P_{g,F}$	0.6375	$P'_{g,F'}$	0.5627

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(℃)	659
Ts(℃)	710
$T_{10}^{14.5}$(℃)	613
T_{10}^{13}(℃)	652
$\alpha_{-50/80℃}$(10^{-7}/K)	61
$\alpha_{100/300℃}$(10^{-7}/K)	74

Mechanical Properties	
HK(10^7Pa)	485
F_A	228
E(10^7Pa)	9023
G(10^7Pa)	3589
μ	0.257
B(nm/cm/10^5Pa)	2.840

Density	
ρ (g/cm^3)	3.93

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0042
$\triangle P_{g,F}$	0.0286
$\triangle P_{C,t}$	0.0052
$\triangle P_{C,s}$	-0.0031

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.957	0.916
2200	0.978	0.956
2000	0.996	0.992
1800	0.996	0.992
1600	0.996	0.992
1400	0.996	0.992
1200	0.996	0.992
1060	0.996	0.992
1000	0.996	0.992
900	0.996	0.992
850	0.995	0.990
800	0.995	0.990
750	0.994	0.989
700	0.994	0.988
650	0.993	0.986
600	0.993	0.986
550	0.988	0.976
500	0.980	0.960
480	0.970	0.941
460	0.962	0.925
440	0.942	0.887
420	0.902	0.814
400	0.781	0.610
390	0.586	0.343
380	0.210	0.044
370		
360		
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	0.1	1.3	1.3	1.8	2.5	4.1	6.4
-20 ~ 0	0.1	1.4	1.5	2.0	2.7	4.5	7.0
0 ~ 20	0.2	1.5	1.7	2.2	2.9	4.9	7.6
20 ~ 40	0.3	1.8	1.9	2.4	3.2	5.3	8.1
40 ~ 60	0.5	2.0	2.2	2.8	3.6	5.8	8.7
60 ~ 80	0.7	2.3	2.5	3.1	4.0	6.3	9.4

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(435)/385

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	407/382