

H-ZF2 673322	$n_d = 1.67270$	$v_d = 32.17$	$n_F - n_C = 0.020910$
	$n_e = 1.67764$	$v_e = 31.92$	$n_{F'} - n_{C'} = 0.021227$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.63037
n_{1970}	1970.09	1.63613
n_{1530}	1529.58	1.64275
n_{1129}	1128.64	1.64942
n_t	1013.98	1.65190
n_s	852.11	1.65659
$n_{A'}$	768.19	1.66001
n_r	706.52	1.66327
n_C	656.27	1.66661
$n_{C'}$	643.85	1.66756
$n_{\text{He-Ne}}$	632.80	1.66846
n_D	589.29	1.67252
n_d	587.56	1.67270
n_e	546.07	1.67764
n_F	486.13	1.68752
$n_{F'}$	479.99	1.68879
n_g	435.84	1.70004
n_h	404.66	1.71115
n_i	365.01	1.73203

Constants of Dispersion Formula	
A_0	2.71254884E+00
A_1	-1.09981079E-02
A_2	2.69930833E-02
A_3	1.44291354E-03
A_4	-8.34857219E-05
A_5	1.26851609E-05

Relative Partial Dispersions			
$P_{d,C}$	0.2912	$P'_{d,C'}$	0.2421
$P_{e,d}$	0.2363	$P'_{e,d}$	0.2327
$P_{g,F}$	0.5988	$P'_{g,F'}$	0.5299

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

Thermal Properties	
$T_g(^{\circ}\text{C})$	578
$T_s(^{\circ}\text{C})$	622
$T_{10}^{14.5}(^{\circ}\text{C})$	518
$T_{10}^{13}(^{\circ}\text{C})$	560
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	87
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	107

Mechanical Properties	
HK(10^7Pa)	569
F_A	140
$E(10^7\text{Pa})$	8701
$G(10^7\text{Pa})$	3503
μ	0.242
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	2.810

Density	
$\rho(\text{g}/\text{cm}^3)$	2.90

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	0.0086
$\Delta P_{C,t}$	0.0075
$\Delta P_{C,s}$	0.0016

Range of Temperature ($^{\circ}\text{C}$)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6}/^{\circ}\text{C}$)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	0.7	1.5	1.5	1.8	2.1	3.0	3.9
-20 ~ 0	0.7	1.5	1.5	1.8	2.1	3.0	4.1
0 ~ 20	0.7	1.5	1.6	1.8	2.2	3.2	4.3
20 ~ 40	0.7	1.5	1.6	1.9	2.3	3.3	4.4
40 ~ 60	0.7	1.6	1.7	2.0	2.4	3.5	4.6
60 ~ 80	0.8	1.8	1.8	2.1	2.6	3.7	4.9

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400	0.930	0.865
2200	0.952	0.906
2000	0.986	0.972
1800	0.996	0.992
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	0.997	0.993
500	0.995	0.989
480	0.993	0.987
460	0.991	0.984
440	0.989	0.979
420	0.986	0.970
400	0.971	0.937
390	0.943	0.883
380	0.868	0.747
370	0.655	0.426
360	0.225	0.052
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	395/360

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	382/360