ZF1 648338

n_d = 1.64769	υ_d = 33.84	$n_F - n_C$ = 0.019140
n_e = 1.65223	υ_e = 33.58	$n_{F'} - n_{C'}$ = 0.019421

Refractive Indices		
	λ(nm)	
n_r	706.5	1.63902
n_C	656.3	1.64210
$n_{C'}$	643.8	1.64297
n_{He-Ne}	632.8	1.64380
n_D	589.3	1.64753
n_d	587.6	1.64769
n_e	546.1	1.65223
n_F	486.1	1.66124
$n_{F'}$	480.0	1.66239
n_g	435.8	1.67251
n_h	404.7	1.68236
n_i	365.0	1.70035

Chemical Properties (grade)	
RC(S)	1
RA(S)	3
D_W	1
D_A	3

Thermal Properties	
Tg(℃)	427
Ts(℃)	479
$T_{10}^{14.5}$(℃)	418
T_{10}^{13}(℃)	423
$\alpha_{20/120℃}$ (10^{-7}/K)	85
$\alpha_{20/300℃}$ (10^{-7}/K)	100
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.929	0.857
2200	0.944	0.889
2000	0.976	0.951
1800	0.991	0.978
1600	0.999	0.993
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
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.998
440	0.999	0.998
420	0.997	0.996
400	0.994	0.993
390	0.987	0.984
380	0.981	0.972
370	0.973	0.953
360	0.944	0.902
350	0.876	0.776
340	0.693	0.490
330	0.301	0.096
320		
310		
300		
290		
280		

Constants of Dispersion Formula	
A_0	2.6356161
A_1	-8.83964201×10-3
A_2	2.56447811×10-2
A_3	9.65223741×10-4
A_4	-1.83047981×10-5
A_5	5.55635171×10-6

Mechanical Properties	
H_K(10^7Pa)	395
F_A	
E(10^7Pa)	5519
G(10^7Pa)	2233
μ	0.236
B(10^{-12}/Pa)	

Relative Partial Dispersion			
$P_{d,c}$	0.2921	$P'_{d,c'}$	0.2430
$P_{e,d}$	0.2372	$P'_{e,d}$	0.2338
$P_{g,F}$	0.5888	$P'_{g,F'}$	0.5211

Anomalous dispersions	
$\Delta P_{F,e}$	-0.0008
$\Delta P_{g,F}$	0.0014

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40～-20							
-20～0							
0～20							
20～40							
40～60							
60～80							

Density	
ρ(g/cm^3)	3.85

Coloration Code			
λ_{80}/λ_5	36/33	λ_{70}/λ_5	