ZF7 806254	n_d =1.80627	υ_d =25.37	$n_F - n_C$ =0.031780
	n_e =1.80377	υ_e =25.18	$n_{F'} - n_{c'}$ =0.032313

Refractive Indices		
	λ（nm）	
n_t	1014.0	1.77620
n_r	706.5	1.79223
n_c	656.3	1.79716
$n_{c'}$	643.8	1.79857
n_{He-Ne}	632.8	1.79991
n_D	589.3	1.80600
n_d	587.6	1.80627
n_e	546.1	1.81377
n_F	486.1	1.82894
$n_{F'}$	480.0	1.83089
n_g	435.8	1.84832
n_h	404.7	1.86567
n_i	365.0	1.89857

Constants of Dispersion Formula	
A_0	3.1221966
A_1	-1.0649791×10^{-2}
A_2	4.2191871×10^{-2}
A_3	2.8937660×10^{-3}
A_4	-1.6523594×10^{-4}
A_5	2.3291810×10^{-5}

Deviation of Relative Partial Dispersions ΔP from the“Normal Line”	
$\Delta P_{F,e}$	0.0017
$\Delta Pg_{,F}$	0.0073

Relative Partial Dispersions			
$P_{d,c}$	0.2867	$P'_{d,c'}$	0.2383
$P_{e,d}$	0.2360	$P'_{e,d}$	0.2321
$P_{g,F}$	0.6098	$P'_{g,F'}$	0.5394

Chemical Properties	
	Grade
RC(S)	1
RA(S)	3
D_W	1
D_A	5

Thermal Properties	
T_g （℃）	430
T_s （℃）	467
$T_{10}^{14.5}$ （℃）	392
T_{10}^{13} （℃）	423
$T_{10}^{7.6}$（℃）	549
$\alpha_{20/120℃}$(10^{-7}/K)	82
$\alpha_{100/300℃}$(10^{-7}/K)	90
λ (W/m • K)	

Mechanical Properties	
H_K (10^7Pa)	361
F_A	143
E (10^7Pa)	5451
G (10^7Pa)	2187
μ	0.246
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	5.19

Temperature Coefficients of Refractive Index						
Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	4.2	6.2	7.2	8.2	10.1	12.7
-20～0	4.1	6.5	7.2	8.4	10.2	13.3
0～20	5.3	7.6	8.3	9.2	11.9	14.7
20～40	5.8	7.8	8.6	9.5	12.3	15.0
40～60	5.9	8.6	9.4	10.1	12.9	15.3
60～80	7.7	10.2	11.1	13.0	15.2	17.6

Internal Transmittance		
λ （nm）	τ 5 mm	τ 10 mm
2400	0.958	0.918
2200	0.974	0.948
2000	0.987	0.975
1800	0.994	0.988
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
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.998	0.997
700	0.998	0.996
650	0.997	0.995
600	0.997	0.995
550	0.997	0.994
500	0.995	0.990
480	0.992	0.984
460	0.988	0.976
440	0.980	0.961
420	0.963	0.927
400	0.916	0.839
390	0.87	0.75
380	0.78	0.61
370	0.61	0.37
360	0.30	0.09
350	0.03	
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	43/36

CDGM *2008*