ZF7L 805255	n_d =1.80518	υ_d =25.46	$n_F - n_C$ =0.031620
	n_e =1.81265	υ_e =25.27	$n_{F'} - n_{c'}$ =0.032161

Refractive Indices		
	λ（nm）	
n_t	1014.0	1.77524
n_r	706.5	1.79120
n_c	656.3	1.79611
$n_{c'}$	643.8	1.79752
n_{He-Ne}	632.8	1.79885
n_D	589.3	1.80491
n_d	587.6	1.80518
n_e	546.1	1.81265
n_F	486.1	1.82773
$n_{F'}$	480.0	1.82968
n_g	435.8	1.84701
n_h	404.7	1.86427
n_i	365.0	1.89697

Constants of Dispersion Formula	
A_0	3.1172453
A_1	-9.7795868×10^{-3}
A_2	4.3175256×10^{-2}
A_3	2.5227958×10^{-3}
A_4	-1.1739974×10^{-4}
A_5	2.0788116×10^{-5}

Deviation of Relative Partial Dispersions ΔP from the“Normal Line”	
$\Delta P_{F,e}$	0.0015
$\Delta Pg_{,F}$	0.0074

Relative Partial Dispersions			
$P_{d,c}$	0.2870	$P'_{d,c'}$	0.2384
$P_{e,d}$	0.2360	$P'_{e,d}$	0.2320
$P_{g,F}$	0.6097	$P'_{g,F'}$	0.5389

Chemical Properties	
	Grade
RC(S)	1
RA(S)	3
D_W	1
D_A	4

Thermal Properties	
T_g （℃）	430
T_s （℃）	465
$T_{10}^{14.5}$ （℃）	383
T_{10}^{13} （℃）	423
$T_{10}^{7.6}$（℃）	549
$\alpha_{20/120℃}$(10^{-7}/K)	82
$\alpha_{100/300℃}$(10^{-7}/K)	91
λ (W/m • K)	

Mechanical Properties	
H_K (10^7Pa)	330
F_A	143
E (10^7Pa)	5484
G (10^7Pa)	2237
μ	0.226
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	5.0	6.8	7.6	8.5	11.1	11.7
-20～0	5.2	7.4	8.0	8.6	11.1	14.5
0～20	5.6	8.0	8.9	9.8	11.6	14.9
20～40	5.7	8.5	9.3	10.4	12.2	15.1
40～60	6.0	9.0	9.6	10.8	12.8	15.6
60～80	7.0	9.2	9.7	11.2	14.1	16.6

Internal Transmittance		
λ （nm）	τ 5 mm	τ 10 mm
2400	0.950	0.903
2200	0.965	0.931
2000	0.980	0.960
1800	0.990	0.980
1600	0.996	0.992
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	0.996
700	0.997	0.995
650	0.997	0.995
600	0.997	0.995
550	0.997	0.994
500	0.994	0.989
480	0.991	0.982
460	0.986	0.973
440	0.977	0.955
420	0.956	0.914
400	0.90	0.81
390	0.84	0.71
380	0.75	0.56
370	0.57	0.32
360	0.28	0.08
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	43/36

CDGM