ZF51	785261	n_d =1.78470	υ_d =26.08	$n_F - n_C$ =0.030092
		n_e =1.79180	υ_e =25.87	$n_{F'} - n_{C'}$ =0.030602

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.75614
n_r	706.5	1.77137
n_c	656.3	1.77605
$n_{c'}$	643.8	1.77739
n_{He-Ne}	632.8	1.77866
n_D	589.3	1.78444
n_d	587.6	1.78470
n_e	546.1	1.79180
n_F	486.1	1.80614
$n_{F'}$	480.0	1.80800
n_g	435.8	1.82439
n_h	404.7	1.84067
n_i	365.0	

Constants of Dispersion Formula	
A_0	3.0618708
A_1	-1.3873356×10^{-2}
A_2	3.2985222×10^{-2}
A_3	5.0714158×10^{-3}
A_4	-5.3860663×10^{-4}
A_5	4.3608925×10^{-5}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	0.0013
$\Delta P_{g,F}$	0.0052

Relative Partial Dispersions			
$P_{d,c}$	0.2875	$P'_{d,c'}$	0.2388
$P_{e,d}$	0.2359	$P'_{e,d}$	0.2319
$P_{g,F}$	0.6065	$P'_{g,F'}$	0.5356

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

Thermal Properties	
T_g (℃)	416
T_s (℃)	450
$T_{10^{14.5}}$ (℃)	361
$T_{10^{13}}$ (℃)	393
$T_{10^{7.6}}$(℃)	541
$\alpha_{20/120℃}$(10^{-7}/K)	87
$\alpha_{100/300℃}$(10^{-7}/K)	102
λ (W/m・K)	

Mechanical Properties	
H_K (10^7Pa)	354
F_A	162
E (10^7Pa)	5596
G (10^7Pa)	2245
μ	0.247
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	4.99

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.955	0.912
2200	0.970	0.940
2000	0.984	0.969
1800	0.991	0.983
1600	0.997	0.995
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	0.994
600	0.997	0.994
550	0.996	0.993
500	0.993	0.987
480	0.990	0.981
460	0.986	0.972
440	0.978	0.957
420	0.961	0.923
400	0.910	0.829
390	0.85	0.73
380	0.76	0.58
370	0.57	0.33
360	0.26	0.07
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	42/36

Temperature Coefficients of Refractive Index

Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	3.5	5.6	6.0	6.6	8.3	11.3
-20～0	4.4	6.3	7.5	7.9	9.9	12.1
0～20	4.5	6.3	7.5	7.9	10.2	13.1
20～40	5.0	6.6	7.8	8.8	11.3	13.5
40～60	5.6	7.5	8.4	9.2	11.9	14.1
60～80	6.2	7.9	9.0	9.7	12.4	14.5

CDGM