ZF13 785258	n_d =1.78472	υ_d =25.76	$n_F - n_C$ =0.030468
	n_e =1.79190	υ_e =25.55	$n_{F'} - n_{C'}$ =0.030998

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.75585
n_r	706.5	1.77125
n_c	656.3	1.77598
$n_{c'}$	643.8	1.77734
n_{He-Ne}	632.8	1.77862
n_D	589.3	1.78446
n_d	587.6	1.78472
n_e	546.1	1.79190
n_F	486.1	1.80645
$n_{F'}$	480.0	1.80834
n_g	435.8	1.82503
n_h	404.7	1.84170
n_i	365.0	

Constants of Dispersion Formula	
A_0	3.0616124
A_1	-1.4589514×10^{-2}
A_2	3.2814659×10^{-2}
A_3	5.2398995×10^{-3}
A_4	-5.6050549×10^{-4}
A_5	4.6423413×10^{-5}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	0.0022
$\Delta P_{g,F}$	0.0080

Relative Partial Dispersions			
$P_{d,c}$	0.2867	$P'_{d,c'}$	0.2380
$P_{e,d}$	0.2357	$P'_{e,d}$	0.2317
$P_{g,F}$	0.6098	$P'_{g,F'}$	0.5384

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

Thermal Properties	
T_g (℃)	433
T_s (℃)	478
$T_{10^{14.5}}$ (℃)	385
$T_{10^{13}}$ (℃)	420
$T_{10^{7.6}}$(℃)	553
$\alpha_{20/120℃}$(10^{-7}/K)	82
$\alpha_{100/300℃}$(10^{-7}/K)	96
λ (W/m・K)	

Mechanical Properties	
H_K (10^7Pa)	390
F_A	152
E (10^7Pa)	5733
G (10^7Pa)	2301
μ	0.246
B (10^{-12}/Pa)	1.11

Other Properties	
ρ (g/cm^3)	4.87

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.962	0.926
2200	0.974	0.949
2000	0.987	0.974
1800	0.992	0.984
1600	0.997	0.995
1400	0.998	0.996
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	0.998	0.996
600	0.998	0.996
550	0.998	0.997
500	0.994	0.988
480	0.989	0.979
460	0.984	0.968
440	0.973	0.947
420	0.951	0.904
400	0.868	0.754
390	0.753	0.567
380	0.506	0.256
370	0.158	0.025
360		
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	43/37

Temperature Coefficients of Refractive Index						
Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	3.5	5.4	6.6	7.3	8.6	10.5
-20～0	4.0	5.9	6.6	7.4	9.6	12.4
0～20	4.7	6.3	7.3	8.1	10.6	12.9
20～40	5.1	6.9	7.4	8.6	10.9	13.4
40～60	5.1	7.3	8.0	8.7	10.9	13.5
60～80	5.0	7.5	8.0	8.8	11.1	13.7

CDGM