ZBaF51 683445	n_d = 1.68273	υ_d = 44.50	$n_F - n_C$ = 0.015341
	n_e = 1.68637	υ_e = 44.23	$n_{F'} - n_{C'}$ = 0.015519

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.66684
n_r	706.5	1.67563
n_c	656.3	1.67816
$n_{c'}$	643.8	1.67888
n_{He-Ne}	632.8	1.67955
n_D	589.3	1.68259
n_d	587.6	1.68273
n_e	546.1	1.68637
n_F	486.1	1.69350
$n_{F'}$	480.0	1.69440
n_g	435.8	1.70225
n_h	404.7	1.70974
n_i	365.0	1.72299

Constants of Dispersion Formula	
A_0	2.7590164
A_1	-5.8180526×10^{-3}
A_2	2.6609946×10^{-2}
A_3	-7.5485994×10^{-4}
A_4	1.7640459×10^{-4}
A_5	-6.7271173×10^{-6}

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{F,e}$	-0.0008
$\Delta P_{g,F}$	0.0004

Relative Partial Dispersions			
$P_{d,c}$	0.2978	$P'_{d,c'}$	0.2480
$P_{e,d}$	0.2377	$P'_{e,d}$	0.2349
$P_{g,F}$	0.5703	$P'_{g,F'}$	0.5057

Chemical Properties	
	Grade
RC(S)	1
RA(S)	3
D_W	1
D_A	6

Thermal Properties	
T_g (℃)	601
T_s (℃)	655
$T_{10^{14.5}}$ (℃)	566
$T_{10^{13}}$ (℃)	609
$T_{10^{7.6}}$(℃)	
$\alpha_{20/120℃}$(10^{-7}/K)	80
$\alpha_{100/300℃}$(10^{-7}/K)	89
λ (W/m・K)	

Mechanical Properties	
H_K (10^7Pa)	464
F_A	198
E (10^7Pa)	7832
G (10^7Pa)	3054
μ	0.282
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	4.14

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.917	0.84
2200	0.954	0.910
2000	0.980	0.960
1800	0.990	0.981
1600	0.998	0.996
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	0.998	0.997
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	0.998	0.996
500	0.997	0.995
480	0.996	0.993
460	0.996	0.992
440	0.994	0.989
420	0.992	0.985
400	0.984	0.968
390	0.974	0.948
380	0.954	0.910
370	0.911	0.83
360	0.81	0.65
350	0.60	0.36
340	0.26	0.07
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	38/34

Temperature Coefficients of Refractive Index						
Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	0.5	1.6	1.9	2.0	2.7	3.1
-20～0	1.0	1.8	2.0	2.2	2.8	3.6
0～20	1.1	1.8	2.0	2.2	3.1	3.9
20～40	1.2	2.0	2.2	2.4	3.3	4.0
40～60	1.4	2.1	2.5	2.9	3.5	4.0
60～80	1.5	2.3	2.6	3.0	3.5	4.3

CDGM