BaF5	606439	n_d =1.60562	υ_d =43.88	$n_F - n_C$ =0.013803
		n_e =1.60890	υ_e =43.57	$n_{F'} - n_{c'}$ =0.013974

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.59131
n_r	706.5	1.59926
n_c	656.3	1.60153
$n_{c'}$	643.8	1.60217
n_{He-Ne}	632.8	1.60278
n_D	589.3	1.60550
n_d	587.6	1.60562
n_e	546.1	1.60890
n_F	486.1	1.61533
$n_{F'}$	480.0	1.61615
n_g	435.8	1.62320
n_h	404.7	1.62992
n_i	365.0	1.64183

Constants of Dispersion Formula	
A_0	2.5221622
A_1	-8.3244289×10^{-3}
A_2	1.8633401×10^{-2}
A_3	5.8265336×10^{-4}
A_4	-1.1280645×10^{-5}
A_5	2.0895591×10^{-6}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	0.0001
$\Delta Pg_{,F}$	-0.0008

Relative Partial Dispersions			
$P_{d,c}$	0.2963	$P'_{d,c'}$	0.2466
$P_{e,d}$	0.2375	$P'_{e,d}$	0.2346
$P_{g,F}$	0.5702	$P'_{g,F'}$	0.5045

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

Thermal Properties	
T_g (℃)	523
T_s (℃)	581
$T_{10}^{14.5}$ (℃)	469
T_{10}^{13} (℃)	516
$T_{10}^{7.6}$(℃)	704
$\alpha_{20/120℃}(10^{-7}/K)$	84
$\alpha_{100/300℃}(10^{-7}/K)$	98
λ (W/m • K)	

Mechanical Properties	
H_K (10^7Pa)	433
F_A	112
E (10^7Pa)	6530
G (10^7Pa)	2619
μ	0.247
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	3.50

Temperature Coefficients of Refractive Index						
Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	1.6	2.1	2.5	2.6	2.9	3.1
-20～0	1.7	2.4	2.5	2.6	3.0	3.1
0～20	1.7	2.4	2.6	2.8	3.4	4.0
20～40	2.0	2.8	3.0	3.0	3.7	4.7
40～60	1.9	2.8	3.1	3.2	4.0	5.0
60～80	1.9	3.0	3.1	3.2	4.1	5.0

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.949	0.901
2200	0.960	0.922
2000	0.980	0.960
1800	0.990	0.980
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	0.998	0.997
850	0.998	0.997
800	0.997	0.995
700	0.996	0.993
650	0.996	0.993
600	0.997	0.994
550	0.996	0.993
500	0.996	0.992
480	0.995	0.991
460	0.995	0.990
440	0.994	0.989
420	0.994	0.989
400	0.993	0.987
390	0.991	0.982
380	0.988	0.976
370	0.984	0.968
360	0.971	0.943
350	0.940	0.883
340	0.84	0.71
330	0.58	0.34
320	0.17	0.03
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	36/32