BaF4	583465	n_d =1.58271	υ_d =46.47	$n_F - n_C$ =0.012540
		n_e =1.58569	υ_e =46.07	$n_{F'} - n_{C'}$ =0.012714

Refractive Indices		
	λ (nm)	
n_t	1014.0	
n_r	706.5	1.57687
n_c	656.3	1.57897
$n_{c'}$	643.8	1.57955
n_{He-Ne}	632.8	1.58011
n_D	589.3	1.58260
n_d	587.6	1.58271
n_e	546.1	1.58569
n_F	486.1	1.59151
$n_{F'}$	480.0	1.59227
n_g	435.8	1.59862
n_h	404.7	1.60468
n_i	365.0	1.61535

Constants of Dispersion Formula	
A_0	2.4514720
A_1	-6.5118879×10^{-3}
A_2	1.9377342×10^{-2}
A_3	-3.0637647×10^{-4}
A_4	1.0174985×10^{-4}
A_5	-3.9270356×10^{-6}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	-0.0002
$\Delta Pg_{,F}$	0.0007

Relative Partial Dispersions			
$P_{d,c}$	0.2986	$P'_{d,c'}$	0.2485
$P_{e,d}$	0.2374	$P'_{e,d}$	0.2342
$P_{g,F}$	0.5673	$P'_{g,F'}$	0.4999

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

Thermal Properties	
T_g (℃)	528
T_s (℃)	606
$T_{10^{14.5}}$ (℃)	475
$T_{10^{13}}$ (℃)	518
$T_{10^{7.6}}$(℃)	
$\alpha_{20/120℃}$(10^{-7}/K)	81
$\alpha_{100/300℃}$(10^{-7}/K)	91
λ (W/m・K)	

Mechanical Properties	
H_K (10^7Pa)	442
F_A	97
E (10^7Pa)	6477
G (10^7Pa)	2619
μ	0.237
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	3.28

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.931	0.867
2200	0.945	0.893
2000	0.973	0.947
1800	0.986	0.973
1600	0.997	0.994
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	0.998	0.997
650	0.998	0.997
600	0.998	0.997
550	0.998	0.996
500	0.997	0.995
480	0.997	0.994
460	0.996	0.993
440	0.996	0.992
420	0.995	0.991
400	0.994	0.989
390	0.992	0.984
380	0.988	0.976
370	0.985	0.971
360	0.975	0.951
350	0.949	0.901
340	0.89	0.79
330	0.72	0.52
320	0.36	0.13
310	0.08	
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	35/32

Temperature Coefficients of Refractive Index						
Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20						
-20～0						
0～20						
20～40						
40～60						
60～80						

CDGM