BaF7	614400	n_d =1.61413	υ_d =40.03	$n_F - n_C$ =0.015340
		n_e =1.61777	υ_e =39.75	$n_{F'} - n_{C'}$ =0.015542

Refractive Indices		
	λ (nm)	
n_t	1014.0	
n_r	706.5	1.60710
n_C	656.3	1.60960
$n_{C'}$	643.8	1.61032
n_{He-Ne}	632.8	1.61098
n_D	589.3	1.61400
n_d	587.6	1.61413
n_e	546.1	1.61777
n_F	486.1	1.62494
$n_{F'}$	480.0	1.62586
n_g	435.8	1.63380
n_h	404.7	1.64142
n_i	365.0	1.65512

Constants of Dispersion Formula	
A_0	2.5436416
A_1	-8.6925216×10^{-3}
A_2	2.0049192×10^{-2}
A_3	8.9795352×10^{-4}
A_4	-4.9734473×10^{-5}
A_5	5.3556000×10^{-6}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	-0.0003
$\Delta Pg_{,F}$	0.0001

Relative Partial Dispersions			
$P_{d,C}$	0.2952	$P'_{d,C'}$	0.2451
$P_{e,d}$	0.2373	$P'_{e,d}$	0.2342
$P_{g,F}$	0.5776	$P'_{g,F'}$	0.5109

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

Thermal Properties	
T_g (℃)	474
T_s (℃)	550
$T_{10^{14.5}}$ (℃)	420
$T_{10^{13}}$ (℃)	467
$T_{10^{7.6}}$(℃)	
$\alpha_{20/120℃}$(10^{-7}/K)	85
$\alpha_{100/300℃}$(10^{-7}/K)	94
λ (W/m・K)	

Mechanical Properties	
H_K (10^7Pa)	416
F_A	90
E (10^7Pa)	6217
G (10^7Pa)	2514
μ	0.237
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	3.56

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.946	0.894
2200	0.955	0.912
2000	0.979	0.958
1800	0.988	0.977
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	0.996	0.993
550	0.996	0.993
500	0.995	0.991
480	0.995	0.990
460	0.994	0.988
440	0.993	0.987
420	0.992	0.985
400	0.989	0.979
390	0.985	0.970
380	0.978	0.956
370	0.970	0.940
360	0.945	0.893
350	0.89	0.79
340	0.75	0.56
330	0.42	0.18
320	0.07	
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	36/33

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