H-BaK1 530605

n_d = 1.53028	υ_d = 60.47	$n_F - n_C$ = 0.008770
n_e = 1.53237	υ_e = 60.17	$n_{F'} - n_{C'}$ = 0.008847

Refractive Indices		
	λ(nm)	
n_r	706.5	1.52608
n_C	656.3	1.52761
$n_{C'}$	643.8	1.52803
n_{He-Ne}	632.8	1.52843
n_D	589.3	1.53020
n_d	587.6	1.53028
n_e	546.1	1.53237
n_F	486.1	1.53638
$n_{F'}$	480.0	1.53688
n_g	435.8	1.54113
n_h	404.7	1.54508
n_i	365.0	1.55180

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

Thermal Properties	
Tg(℃)	564
Ts(℃)	645
$T_{10}^{14.5}$(℃)	508
T_{10}^{13}(℃)	551
$\alpha_{20/120℃}$ (10^{-7}/K)	74
$\alpha_{20/300℃}$ (10^{-7}/K)	84
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.900	0.820
2200	0.926	0.858
2000	0.968	0.937
1800	0.986	0.972
1600	0.997	0.995
1400	0.997	0.995
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	0.998	0.997
700	0.998	0.996
650	0.997	0.995
600	0.997	0.995
550	0.997	0.995
500	0.996	0.993
480	0.996	0.992
460	0.995	0.991
440	0.995	0.991
420	0.995	0.991
400	0.995	0.991
390	0.995	0.990
380	0.993	0.986
370	0.993	0.986
360	0.990	0.981
350	0.986	0.972
340	0.974	0.949
330	0.949	0.900
320	0.890	0.790
310	0.770	0.590
300	0.540	0.290
290	0.260	0.070
280	0.070	

Constants of Dispersion Formula	
A_0	2.3069229
A_1	-7.73439301×10-3
A_2	1.29929521×10-2
A_3	-1.16419651×10-4
A_4	4.03061081×10-5
A_5	-1.83406761×10-6

Mechanical Properties	
H_K(10^7Pa)	471
F_A	
E(10^7Pa)	7088
G(10^7Pa)	2898
μ	0.223
B(10^{-12}/Pa)	

Relative Partial Dispersion			
$P_{d,c}$	0.3044	$P'_{d,c'}$	0.2542
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2362
$P_{g,F}$	0.5416	$P'_{g,F'}$	0.4802

Anomalous dispersions	
$\Delta P_{F,e}$	0.0004
$\Delta P_{g,F}$	-0.0015

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40～-20							
-20～0							
0～20							
20～40							
40～60							
60～80							

Density	
ρ(g/cm^3)	2.74

Coloration Code			
λ_{80}/λ_5	33/29	λ_{70}/λ_5	