

H-BaK2	540597	$n_d = 1.53996$	$v_d = 59.72$	$n_F - n_C = 0.009041$
		$n_e = 1.54212$	$v_e = 59.45$	$n_{F'} - n_{C'} = 0.009119$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.51376
n_{1970}	1970.09	1.51856
n_{1530}	1529.58	1.52378
n_{1129}	1128.64	1.52833
n_{1064}	1064.00	1.52914
n_t	1013.98	1.52981
n_s	852.11	1.53235
$n_{A'}$	768.19	1.53407
n_r	706.52	1.53565
n_C	656.27	1.53721
$n_{C'}$	643.85	1.53765
n_{He-Ne}	632.80	1.53806
n_D	589.29	1.53988
n_d	587.56	1.53996
n_e	546.07	1.54212
n_F	486.13	1.54625
$n_{F'}$	479.99	1.54677
n_g	435.84	1.55117
n_h	404.66	1.55525
n_i	365.01	1.56225

Constants of Dispersion Formula	
A_0	2.33787692E+00
A_1	-8.98050049E-03
A_2	1.15593975E-02
A_3	4.92789833E-04
A_4	-4.58314132E-05
A_5	2.77373664E-06

Density		Solarization	
ρ (g/cm ³)	2.85	$\Delta\lambda$ (%)	-29.0

Relative Partial Dispersion	
$P_{d,C}$	0.3042
$P_{e,d}$	0.2389
$P_{g,F}$	0.5442
$P'_{d,c'}$	0.2533
$P'_{e,d}$	0.2369
$P'_{g,F'}$	0.4825

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0004
$\Delta P_{g,F}$	-0.0002
$\Delta P_{C,t}$	-0.0110
$\Delta P_{C,s}$	-0.0062

Thermal Properties	
Tg (°C)	560
Ts (°C)	623
T ₁₀ ^{14.5} (°C)	491
T ₁₀ ¹³ (°C)	534
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	78
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	93
λ (W/(m·K))	1.02

Mechanical Properties	
HK (10 ⁷ Pa)	532
F _A	103
E (GPa)	71.1
G (GPa)	28.1
μ	0.266
σ_b (MPa)	78.6
B (10 ⁻¹² /Pa)	2.51

Chemical Properties (grade)	
RC (S)	1
RA (S)	2
D _W	1
D _A	1
R _{OH} (S)	2
RP (S)	1

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	69
-40/-30	71
-30/-20	73
-20/-10	74
-10/0	75
0/10	76
10/20	77
20/30	77
30/40	78
40/50	79
50/60	80
60/70	80
70/80	81
80/90	82
90/100	83
100/110	83
110/120	84
120/130	88
130/140	89
140/150	90
150/160	92

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.917	0.842
2200	0.937	0.880
2000	0.974	0.947
1800	0.987	0.976
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	0.999	0.998
850	0.999	0.998
800	0.999	0.998
750	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.998
440	0.999	0.998
420	0.999	0.998
400	0.999	0.998
390	0.999	0.998
380	0.998	0.997
370	0.998	0.996
360	0.997	0.993
350	0.994	0.988
340	0.988	0.976
330	0.973	0.947
320	0.940	0.885
310	0.863	0.745
300	0.707	0.500
290	0.478	0.228
280	0.260	0.068

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 ⁻⁶ / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	0.4	0.6	0.7	0.7	0.8	0.9	1.0	1.3	1.4	2.0
-40 ~ -20	0.6	0.8	0.9	0.9	1.0	1.1	1.2	1.4	1.5	2.1
-20 ~ 0	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.5	1.6	2.3
0 ~ 20	0.9	1.1	1.2	1.2	1.4	1.5	1.8	1.9	2.1	2.6
20 ~ 40	1.4	1.4	1.5	1.5	1.6	1.7	2.0	2.2	2.3	2.6
40 ~ 60	1.5	1.6	1.7	1.7	1.8	1.9	2.1	2.3	2.4	2.7
60 ~ 80	1.6	1.7	1.8	1.8	2.0	2.1	2.4	2.5	2.5	2.9
80 ~ 100	1.7	1.8	1.9	2.0	2.1	2.3	2.5	2.6	2.7	3.1
100 ~ 120	1.9	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.3
120 ~ 140	2.1	2.1	2.2	2.3	2.4	2.7	2.8	2.8	2.9	3.5
140 ~ 160	2.2	2.3	2.3	2.4	2.5	2.8	2.9	2.9	3.0	3.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	330/290
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	313/281

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.01E-06	2.38E-08	-4.15E-11
E ₀	E ₁	λ_{TK}
3.35E-07	-1.37E-10	3.01E-01