

H-BaK7B	569560	$n_d = 1.56883$	$v_d = 56.04$	$n_F - n_C = 0.010150$
		$n_e = 1.57125$	$v_e = 55.78$	$n_{F'} - n_{C'} = 0.010242$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.54079
n_{1970}	1970.09	1.54574
n_{1530}	1529.58	1.55115
n_{1129}	1128.64	1.55598
n_{1064}	1064.00	1.55686
n_t	1013.98	1.55758
n_s	852.11	1.56036
$n_{A'}$	768.19	1.56227
n_r	706.52	1.56401
n_C	656.27	1.56575
$n_{C'}$	643.85	1.56624
n_{He-Ne}	632.80	1.56670
n_D	589.29	1.56874
n_d	587.56	1.56883
n_e	546.07	1.57125
n_F	486.13	1.57590
$n_{F'}$	479.99	1.57648
n_g	435.84	1.58147
n_h	404.66	1.58611
n_i	365.01	1.59408

Constants of Dispersion Formula	
A_0	2.42201339E+00
A_1	-9.34171338E-03
A_2	1.36739157E-02
A_3	3.76328562E-04
A_4	-1.74732935E-05
A_5	1.22001270E-06

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
2.85	-0.5

Relative Partial Dispersion	
$P_{d,C}$	0.3034
$P_{e,d}$	0.2384
$P_{g,F}$	0.5488
$P'_{d,c'}$	0.2529
$P'_{e,d}$	0.2363
$P'_{g,F'}$	0.4872

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0011
$\Delta P_{g,F}$	-0.0017
$\Delta P_{C,t}$	-0.0067
$\Delta P_{C,s}$	-0.0039

Thermal Properties	
T _g (°C)	587
T _s (°C)	634
T ₁₀ ^{14.5} (°C)	530
T ₁₀ ¹³ (°C)	565
$\alpha_{-50/80^\circ C}$ (10 ⁻⁷ /K)	71
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	88
λ (W/(m·K))	1.08

Mechanical Properties	
HK (10 ⁷ Pa)	553
F _A	123
E (GPa)	80.1
G (GPa)	33.1
μ	0.210
σ_b (MPa)	78.4
B (10 ⁻¹² /Pa)	2.52

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	66
-40/-30	67
-30/-20	69
-20/-10	70
-10/0	70
0/10	71
10/20	72
20/30	73
30/40	74
40/50	76
50/60	76
60/70	77
70/80	78
80/90	79
90/100	80
100/110	81
110/120	81
120/130	82
130/140	84
140/150	85
150/160	86

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.934	0.872
2200	0.953	0.908
2000	0.979	0.958
1800	0.988	0.976
1600	0.997	0.994
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	0.998	0.996
440	0.997	0.994
420	0.996	0.992
400	0.994	0.990
390	0.992	0.986
380	0.988	0.980
370	0.982	0.965
360	0.961	0.928
350	0.917	0.845
340	0.808	0.654
330	0.560	0.315
320	0.192	0.039
310		
300		
290		
280		

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	3.0	3.2	3.3	3.4	3.4	3.5	3.8	4.2	4.2	4.4
-40 ~ -20	3.1	3.3	3.4	3.4	3.5	3.7	3.9	4.2	4.3	4.5
-20 ~ 0	3.1	3.3	3.4	3.5	3.5	3.6	3.8	4.2	4.2	4.5
0 ~ 20	3.0	3.4	3.4	3.5	3.5	3.6	3.8	4.2	4.3	4.5
20 ~ 40	3.0	3.3	3.4	3.5	3.6	3.6	3.8	4.2	4.2	4.6
40 ~ 60	3.0	3.3	3.5	3.6	3.6	3.6	3.8	4.3	4.3	4.7
60 ~ 80	3.1	3.4	3.5	3.6	3.7	3.7	3.9	4.4	4.4	4.9
80 ~ 100	3.2	3.3	3.6	3.6	3.7	3.9	4.1	4.5	4.5	5.0
100 ~ 120	3.2	3.4	3.6	3.7	3.7	3.8	4.0	4.4	4.5	5.1
120 ~ 140	3.2	3.4	3.6	3.7	3.7	3.8	4.0	4.4	4.5	5.0
140 ~ 160	3.2	3.5	3.6	3.7	3.7	3.9	4.1	4.4	4.6	5.2

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	355/320
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	347/321

Constants of dn/dt		
D ₀	D ₁	D ₂
3.18E-06	1.21E-08	-2.72E-11
E ₀	E ₁	λ_{TK}
4.09E-07	3.53E-10	2.69E-01