

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		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.54067
n_{1970}	1970.09	1.54566
n_{1530}	1529.58	1.55114
n_{1129}	1128.64	1.55599
n_t	1013.98	1.55757
n_s	852.11	1.56035
$n_{A'}$	768.19	1.56226
n_r	706.52	1.56400
n_C	656.27	1.56575
$n_{C'}$	643.85	1.56624
$n_{\text{He-Ne}}$	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	1.58148
n_h	404.66	1.58613
n_i	365.01	1.59409

Constants of Dispersion Formula	
A_0	2.42232225E+00
A_1	-9.46080677E-03
A_2	1.34161146E-02
A_3	4.59079961E-04
A_4	-2.81629652E-05
A_5	1.70649477E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3034	$P'_{d,C'}$	0.2529
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5498	$P'_{g,F'}$	0.4883

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative (10 ⁻⁶ / °C)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	3.1	3.5	3.6	3.7	3.9	4.2	4.6
-20 ~ 0	3.0	3.5	3.5	3.6	3.8	4.2	4.5
0 ~ 20	3.0	3.4	3.4	3.6	3.7	4.1	4.5
20 ~ 40	3.0	3.4	3.4	3.6	3.7	4.2	4.6
40 ~ 60	3.0	3.5	3.5	3.7	3.9	4.3	4.7
60 ~ 80	3.1	3.6	3.7	3.8	4.0	4.4	4.9

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

Thermal Properties	
T _g (°C)	570
T _s (°C)	635
T ₁₀ ^{14.5} (°C)	530
T ₁₀ ¹³ (°C)	565
$\alpha_{-50/80^\circ\text{C}}$ (10 ⁻⁷ /K)	71
$\alpha_{100/300^\circ\text{C}}$ (10 ⁻⁷ /K)	88

Mechanical Properties	
HK(10 ⁷ Pa)	553
F _A	123
E(10 ⁷ Pa)	8190
G(10 ⁷ Pa)	3292
μ	0.244
B(nm/cm/10 ⁵ Pa)	2.500

Density	
ρ (g/cm ³)	2.85

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0011
$\Delta P_{g,F}$	-0.0008
$\Delta P_{C,t}$	-0.0058
$\Delta P_{C,s}$	-0.0029

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
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
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		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	355/320

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	347/321