H-BaK4	552634	n_d = 1.552480	υ_d = 63.37	$n_F - n_C$ = 0.008719
		n_e = 1.554560	υ_e = 63.14	$n_{F'} - n_{C'}$ = 0.008783

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.523796
$n_{1970.09}$	1970.09	1.529632
$n_{1529.58}$	1529.58	1.535709
$n_{1060.0}$	1060.0	1.541679
n_t	1013.98	1.542329
n_s	852.11	1.544964
n_r	706.52	1.548267
n_C	656.27	1.549805
$n_{C'}$	643.85	1.550233
n_{He-Ne}	632.8	1.550632
n_D	589.29	1.552402
n_d	587.56	1.552480
n_e	546.07	1.554560
n_F	486.13	1.558524
$n_{F'}$	479.99	1.559016
n_g	435.83	1.563205
n_h	404.66	1.567070
n_i	365.01	1.573622
$n_{313.18}$	313.18	1.586818
$n_{302.15}$	302.15	1.590697

色散公式常数 Constants of Dispersion Formula

K_1	5.59279457E-01
L_1	1.72756270E-03
K_2	9.85286498E-01
L_2	9.78673314E+01
K_3	8.18059461E-01
L_3	1.35929957E-02

折射率温度系数常数 Constants of dn/dt

D_0	9.33E-07
D_1	2.01E-08
D_2	-2.04E-11
E_0	3.94E-07
E_1	2.14E-10
λ_{TK}(μm)	0.158

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3022	$P'_{s,t}$	0.3000
$P_{C,s}$	0.5552	$P'_{C',s}$	0.5999
$P_{d,C}$	0.3068	$P'_{d,C'}$	0.2558
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2368
$P_{g,F}$	0.5369	$P'_{g,F'}$	0.4769
$P_{i,h}$	0.7515	$P'_{i,h}$	0.7460

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0126	$\Delta P_{C,s}$	0.0037
$\Delta P_{F,e}$	-0.0005	$\Delta P_{g,F}$	-0.0009

着色度 Color Code

λ_{80}/λ_5	330/280
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	611
T_s (℃)	667
$T_{10}^{14.5}$ (℃)	546
T_{10}^{13} (℃)	588
$T_{10}^{7.6}$(℃)	753
$\alpha_{-30/70℃}$(10^{-7}/K)	61
$\alpha_{100/300℃}$(10^{-7}/K)	76
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	3
D_A	3
CR	2
RC(S)	1
RA(S)	2

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.898	0.806
2200	0.932	0.869
2000	0.981	0.962
1800	0.990	0.981
1600	0.996	0.992
1400	0.989	0.978
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	0.997
650	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.996
480	0.998	0.996
460	0.998	0.996
440	0.996	0.992
420	0.996	0.992
400	0.995	0.991
390	0.994	0.989
380	0.993	0.987
370	0.992	0.984
360	0.988	0.977
350	0.981	0.962
340	0.964	0.930
330	0.939	0.882
320	0.888	0.789
310	0.796	0.633
300	0.645	0.416
290	0.438	0.192
280	0.212	0.045

折射率温度系数 Temperature Coefficients of Refractive Index

温度范围（℃） Range of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-60～-40						
-40～-20	1.8	2.1	2.1	2.1	2.5	2.6
-20～0	1.8	2.0	2.3	2.3	2.5	2.6
0～20	1.9	2.0	2.3	2.7	2.7	3.0
20～40	2.1	2.3	2.7	2.7	2.8	3.3
40～60	2.3	2.8	2.8	2.9	3.0	3.2
60～80	2.4	2.8	2.8	2.9	3.4	3.6
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	550
F_A	108
E (10^7Pa)	8277
G (10^7Pa)	3370
μ	0.228
B (10^{-12}/Pa)	2.44

其他性质 Other Properties

ρ (g/cm^3)	2.90

备注 Remarks

CDGM