H-BaK7GT 569560

n_d = 1.568830	υ_d = 56.04	$n_F - n_C$ = 0.010150
n_e = 1.571248	υ_e = 55.76	$n_{F'} - n_{C'}$ = 0.010245

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.540196
$n_{1970.09}$	1970.09	1.545438
$n_{1529.58}$	1529.58	1.551039
$n_{1060.0}$	1060.0	1.556883
n_t	1013.98	1.557555
n_s	852.11	1.560357
n_r	706.52	1.564015
n_C	656.27	1.565758
$n_{C'}$	643.85	1.566246
n_{He-Ne}	632.8	1.566702
n_D	589.29	1.568740
n_d	587.56	1.568830
n_e	546.07	1.571248
n_F	486.13	1.575908
$n_{F'}$	479.99	1.576491
n_g	435.83	1.581486
n_h	404.66	1.586147
n_i	365.01	1.594153
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	6.59469741E-01
L_1	7.66009635E-04
K_2	7.62196700E-01
L_2	1.77403402E-02
K_3	1.19935835E+00
L_3	1.29975103E+02

折射率温度系数常数 Constants of dn/dt

D_0	6.07E-07
D_1	1.74E-08
D_2	-3.75E-11
E_0	5.69E-07
E_1	2.67E-10
λ_{TK}(μm)	0.188

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2761	$P'_{s,t}$	0.2735
$P_{C,s}$	0.5321	$P'_{C',s}$	0.5748
$P_{d,C}$	0.3027	$P'_{d,C'}$	0.2522
$P_{e,d}$	0.2382	$P'_{e,d}$	0.2360
$P_{g,F}$	0.5496	$P'_{g,F'}$	0.4876
$P_{i,h}$	0.7888	$P'_{i,h}$	0.7815

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0022	$\Delta P_{C,s}$	-0.0021
$\Delta P_{F,e}$	0.0000	$\Delta P_{g,F}$	-0.0007

着色度 Color Code

λ_{80}/λ_5	355/325
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	581
T_s (℃)	642
$T_{10}^{14.5}$ (℃)	541
T_{10}^{13} (℃)	580
$T_{10}^{7.6}$(℃)	733
$\alpha_{-30/70℃}$(10^{-7}/K)	72
$\alpha_{100/300℃}$(10^{-7}/K)	90
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.921	0.848
2200	0.946	0.895
2000	0.981	0.963
1800	0.990	0.981
1600	0.997	0.994
1400	0.994	0.988
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
700	0.998	0.997
650	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.997
480	0.998	0.997
460	0.998	0.997
440	0.997	0.995
420	0.997	0.995
400	0.996	0.993
390	0.995	0.990
380	0.992	0.985
370	0.986	0.972
360	0.966	0.934
350	0.911	0.830
340	0.756	0.572
330	0.415	0.172
320	0.161	0.026
310		
300		
290		
280		

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	1.7	2.1	2.3	2.3	2.7	3.1
-40～-20	1.7	2.2	2.3	2.5	2.9	3.1
-20～0	1.7	2.2	2.4	2.5	2.9	3.3
0～20	1.9	2.2	2.6	2.9	3.1	3.4
20～40	2.1	2.6	2.8	3.0	3.4	3.7
40～60	2.1	2.7	2.8	3.0	3.4	3.7
60～80	2.3	2.7	2.8	3.0	3.4	3.8
80～100	2.3	2.7	2.9	3.0	3.4	4.0
100～120	2.5	3.0	3.0	3.4	3.7	4.3
120～140	2.5	3.0	3.2	3.4	3.9	4.3

机械性质 Mechanical Properties

H_K (10^7Pa)	578
F_A	117
E (10^7Pa)	8241
G (10^7Pa)	3315
μ	0.243
B (10^{-12}/Pa)	2.53

其他性质 Other Properties

ρ (g/cm^3)	2.83

备注 Remarks

CDGM