D-ZPK3	594673	n_d = 1.594190	υ_d = 67.30	$n_F - n_C$ = 0.008829
		n_e = 1.596298	υ_e = 67.04	$n_{F'} - n_{C'}$ = 0.008895

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.566128
$n_{1970.09}$	1970.09	1.571688
$n_{1529.58}$	1529.58	1.577519
$n_{1060.0}$	1060.0	1.583341
n_t	1013.98	1.583984
n_s	852.11	1.586609
n_r	706.52	1.589930
n_C	656.27	1.591484
$n_{C'}$	643.85	1.591916
n_{He-Ne}	632.8	1.592320
n_D	589.29	1.594111
n_d	587.56	1.594190
n_e	546.07	1.596298
n_F	486.13	1.600313
$n_{F'}$	479.99	1.600811
n_g	435.83	1.605052
n_h	404.66	1.608959
n_i	365.01	1.615571
$n_{313.18}$	313.18	1.628833
$n_{302.15}$	302.15	1.632717

色散公式常数 Constants of Dispersion Formula

K_1	9.22289896E-01
L_1	1.26503387E-02
K_2	5.84492874E-01
L_2	1.76614589E-03
K_3	1.04970792E+00
L_3	1.06089243E+02

折射率温度系数常数 Constants of dn/dt

D_0	-8.61E-06
D_1	1.14E-08
D_2	-3.06E-11
E_0	3.50E-07
E_1	1.08E-10
λ_{TK}(μm)	0.215

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2973	$P'_{s,t}$	0.2951
$P_{C,s}$	0.5522	$P'_{C',s}$	0.5966
$P_{d,C}$	0.3065	$P'_{d,C'}$	0.2556
$P_{e,d}$	0.2388	$P'_{e,d}$	0.2370
$P_{g,F}$	0.5368	$P'_{g,F'}$	0.4768
$P_{i,h}$	0.7489	$P'_{i,h}$	0.7433

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0139	$\Delta P_{C,s}$	-0.0087
$\Delta P_{F,e}$	0.0018	$\Delta P_{g,F}$	0.0057

着色度 Color Code

λ_{80}/λ_5	340/-
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	519
T_s (℃)	545
$T_{10}^{14.5}$ (℃)	468
T_{10}^{13} (℃)	499
$T_{10}^{7.6}$(℃)	604
$\alpha_{-30/70℃}$(10^{-7}/K)	92
$\alpha_{100/300℃}$(10^{-7}/K)	115
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	4
CR	1
RC(S)	4
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.911	0.830
2200	0.936	0.875
2000	0.969	0.939
1800	0.984	0.968
1600	0.994	0.989
1400	0.998	0.996
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	0.999	0.998
650	0.999	0.998
600	0.998	0.997
550	0.998	0.997
500	0.998	0.996
480	0.997	0.995
460	0.998	0.996
440	0.997	0.995
420	0.998	0.996
400	0.997	0.994
390	0.997	0.994
380	0.995	0.991
370	0.991	0.983
360	0.986	0.973
350	0.976	0.953
340	0.957	0.915
330	0.922	0.851
320	0.869	0.755
310	0.762	0.581
300	0.702	0.493
290	0.613	0.376
280	0.523	0.274

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	-2.4	-2.1	-2.0	-1.9	-1.6	-1.5
-40～-20	-2.6	-2.2	-2.2	-2.0	-1.7	-1.6
-20～0	-2.5	-2.2	-2.1	-2.0	-1.7	-1.6
0～20	-2.4	-2.2	-2.1	-2.0	-1.8	-1.5
20～40	-2.4	-2.2	-2.1	-2.0	-1.8	-1.5
40～60	-2.4	-2.2	-2.1	-1.9	-1.7	-1.5
60～80	-2.4	-2.2	-2.1	-1.9	-1.7	-1.4
80～100	-2.4	-2.2	-2.1	-1.9	-1.7	-1.4
100～120	-2.5	-2.2	-2.1	-1.9	-1.7	-1.4
120～140	-2.5	-2.2	-2.1	-1.9	-1.7	-1.4

机械性质 Mechanical Properties

H_K (10^7Pa)	437
F_A	316
E (10^7Pa)	8074
G (10^7Pa)	3174
μ	0.272
B (10^{-12}/Pa)	1.38

其他性质 Other Properties

ρ (g/cm^3)	3.37

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM