D-ZPK3-25	593672	n_d = 1.593270	υ_d = 67.23	$n_F - n_C$ = 0.008825
		n_e = 1.595376	υ_e = 66.96	$n_{F'} - n_{C'}$ = 0.008891

折射率 Refractive Index**

	λ（nm）	
$n_{2325.42}$	2325.42	1.565250
$n_{1970.09}$	1970.09	1.570800
$n_{1529.58}$	1529.58	1.576619
$n_{1060.0}$	1060.0	1.582430
n_t	1013.98	1.583072
n_s	852.11	1.585694
n_r	706.52	1.589012
n_C	656.27	1.590565
$n_{C'}$	643.85	1.590997
n_{He-Ne}	632.8	1.591400
n_D	589.29	1.593191
n_d	587.56	1.593270
n_e	546.07	1.595376
n_F	486.13	1.599390
$n_{F'}$	479.99	1.599888
n_g	435.83	1.604126
n_h	404.66	1.608033
n_i	365.01	1.614643
$n_{313.18}$	313.18	1.627905
$n_{302.15}$	302.15	1.631788

色散公式常数 Constants of Dispersion Formula

K_1	5.80374258E-01
L_1	1.72131188E-03
K_2	9.23503788E-01
L_2	1.26541722E-02
K_3	1.03923776E+00
L_3	1.05366349E+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

$P_{s,t}$	0.2971	$P'_{s,t}$	0.2949
$P_{C,s}$	0.5520	$P'_{C',s}$	0.5964
$P_{d,C}$	0.3065	$P'_{d,C'}$	0.2557
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2369
$P_{g,F}$	0.5367	$P'_{g,F'}$	0.4767
$P_{i,h}$	0.7490	$P'_{i,h}$	0.7434

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0140	$\Delta P_{C,s}$	-0.0087
$\Delta P_{F,e}$	0.0018	$\Delta P_{g,F}$	0.0054

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 25℃/h

CDGM