D-ZPK5-25	592683	n_d = 1.592160	υ_d = 68.28	$n_F - n_C$ = 0.008672
		n_e = 1.594229	υ_e = 67.90	$n_{F'} - n_{C'}$ = 0.008751

折射率 Refractive Index**

	λ（nm）	
$n_{2325.42}$	2325.42	1.570135
$n_{1970.09}$	1970.09	1.573760
$n_{1529.58}$	1529.58	1.577723
$n_{1060.0}$	1060.0	1.582137
n_t	1013.98	1.582672
n_s	852.11	1.584964
n_r	706.52	1.588046
n_C	656.27	1.589532
$n_{C'}$	643.85	1.589949
n_{He-Ne}	632.8	1.590339
n_D	589.29	1.592083
n_d	587.56	1.592160
n_e	546.07	1.594229
n_F	486.13	1.598204
$n_{F'}$	479.99	1.598700
n_g	435.83	1.602929
n_h	404.66	1.606843
n_i	365.01	1.613489
$n_{313.18}$	313.18	1.626896
$n_{302.15}$	302.15	1.630841

色散公式常数 Constants of Dispersion Formula

K_1	3.53073711E-01
L_1	1.78712877E-02
K_2	1.14580426E+00
L_2	5.63723799E-03
K_3	7.95754681E-01
L_3	1.25202885E+02

折射率温度系数常数 Constants of dn/dt

D_0	-2.01E-05
D_1	4.05E-09
D_2	-1.52E-11
E_0	4.00E-07
E_1	1.43E-10
λ_{TK}(μm)	0.192

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2643	$P'_{s,t}$	0.2619
$P_{C,s}$	0.5268	$P'_{C',s}$	0.5696
$P_{d,C}$	0.3030	$P'_{d,C'}$	0.2527
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2364
$P_{g,F}$	0.5449	$P'_{g,F'}$	0.4833
$P_{i,h}$	0.7664	$P'_{i,h}$	0.7595

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0770	$\Delta P_{C,s}$	-0.0364
$\Delta P_{F,e}$	0.0059	$\Delta P_{g,F}$	0.0154

着色度 Color Code

λ_{80}/λ_5	350/-
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	565
T_s (℃)	585
$T_{10}^{14.5}$ (℃)	520
T_{10}^{13} (℃)	543
$T_{10}^{7.6}$(℃)	630
$\alpha_{-30/70℃}$(10^{-7}/K)	123
$\alpha_{100/300℃}$(10^{-7}/K)	143
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.992	0.983
2200	0.995	0.991
2000	0.997	0.995
1800	0.998	0.997
1600	0.999	0.998
1400	0.999	0.998
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	0.997	0.995
460	0.997	0.994
440	0.996	0.993
420	0.996	0.993
400	0.995	0.991
390	0.994	0.989
380	0.991	0.982
370	0.983	0.966
360	0.964	0.930
350	0.932	0.868
340	0.872	0.761
330	0.780	0.609
320	0.656	0.430
310	0.504	0.254
300	0.387	0.150
290	0.285	0.081
280	0.207	0.043

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	-7.0	-6.9	-6.8	-6.6	-6.5	-6.2
-40～-20	-7.4	-7.2	-7.0	-7.0	-6.7	-6.6
-20～0	-7.8	-7.5	-7.5	-7.4	-7.2	-6.9
0～20	-7.8	-7.6	-7.6	-7.4	-7.3	-7.0
20～40	-8.0	-7.7	-7.7	-7.5	-7.3	-7.2
40～60	-8.0	-7.8	-7.7	-7.6	-7.3	-7.2
60～80	-8.1	-7.9	-7.7	-7.7	-7.4	-7.2
80～100	-8.2	-7.9	-7.8	-7.8	-7.5	-7.3
100～120	-8.3	-8.1	-8.0	-7.9	-7.7	-7.4
120～140	-8.5	-8.3	-8.1	-8.1	-7.8	-7.6

机械性质 Mechanical Properties

H_K (10^7Pa)	372
F_A	435
E (10^7Pa)	7385
G (10^7Pa)	2840
μ	0.300
B (10^{-12}/Pa)	0.34

其他性质 Other Properties

ρ (g/cm^3)	4.29

备注 Remarks

**:退火速率 anneal rate 25℃/h

CDGM