D-ZPK7-25	569712	n_d = 1.568540	υ_d = 71.24	$n_F - n_C$ = 0.007981
		n_e = 1.570444	υ_e = 70.84	$n_{F'} - n_{C'}$ = 0.008053

折射率 Refractive Index**

	λ（nm）	
$n_{2325.42}$	2325.42	1.548388
$n_{1970.09}$	1970.09	1.551677
$n_{1529.58}$	1529.58	1.555284
$n_{1060.0}$	1060.0	1.559321
n_t	1013.98	1.559813
n_s	852.11	1.561918
n_r	706.52	1.564753
n_C	656.27	1.566121
$n_{C'}$	643.85	1.566505
n_{He-Ne}	632.8	1.566864
n_D	589.29	1.568469
n_d	587.56	1.568540
n_e	546.07	1.570444
n_F	486.13	1.574102
$n_{F'}$	479.99	1.574558
n_g	435.83	1.578446
n_h	404.66	1.582041
n_i	365.01	1.588138
$n_{313.18}$	313.18	1.600393
$n_{302.15}$	302.15	1.603985

色散公式常数 Constants of Dispersion Formula

K_1	7.14112710E-01
L_1	1.33604289E-02
K_2	7.13400795E-01
L_2	2.89391230E-03
K_3	7.65480668E-01
L_3	1.34125223E+02

折射率温度系数常数 Constants of dn/dt

D_0	-2.47E-05
D_1	-2.21E-09
D_2	5.20E-12
E_0	4.58E-07
E_1	5.69E-10
λ_{TK}(μm)	0.082

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2638	$P'_{s,t}$	0.2614
$P_{C,s}$	0.5266	$P'_{C',s}$	0.5696
$P_{d,C}$	0.3031	$P'_{d,C'}$	0.2527
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2364
$P_{g,F}$	0.5443	$P'_{g,F'}$	0.4828
$P_{i,h}$	0.7639	$P'_{i,h}$	0.7571

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0916	$\Delta P_{C,s}$	-0.0435
$\Delta P_{F,e}$	0.0075	$\Delta P_{g,F}$	0.0199

着色度 Color Code

λ_{80}/λ_5	340/270
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	497
T_s (℃)	522
$T_{10}^{14.5}$ (℃)	459
T_{10}^{13} (℃)	483
$T_{10}^{7.6}$(℃)	563
$\alpha_{-30/70℃}$(10^{-7}/K)	133
$\alpha_{100/300℃}$(10^{-7}/K)	158
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.998	0.995
2200	0.998	0.997
2000	0.999	0.998
1800	0.999	0.998
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.998	0.997
950	0.998	0.996
900	0.998	0.996
850	0.998	0.996
800	0.998	0.996
700	0.998	0.996
650	0.998	0.996
600	0.998	0.996
550	0.998	0.996
500	0.998	0.996
480	0.998	0.996
460	0.998	0.996
440	0.998	0.996
420	0.998	0.996
400	0.998	0.996
390	0.998	0.996
380	0.997	0.994
370	0.994	0.987
360	0.988	0.977
350	0.977	0.954
340	0.955	0.913
330	0.913	0.834
320	0.843	0.711
310	0.722	0.522
300	0.607	0.369
290	0.463	0.214
280	0.370	0.137

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	-8.7	-8.6	-8.5	-8.4	-8.3	-7.9
-40～-20	-9.0	-8.9	-8.8	-8.7	-8.5	-8.3
-20～0	-9.3	-9.0	-8.9	-8.8	-8.8	-8.7
0～20	-9.7	-9.4	-9.3	-9.2	-9.0	-8.9
20～40	-10.0	-9.7	-9.5	-9.5	-9.3	-9.1
40～60	-10.0	-9.8	-9.6	-9.5	-9.5	-9.2
60～80	-10.1	-9.9	-9.8	-9.7	-9.5	-9.3
80～100	-10.2	-10.0	-9.9	-9.8	-9.6	-9.4
100～120	-10.3	-10.1	-10.0	-9.9	-9.7	-9.6
120～140	-10.4	-10.2	-10.1	-10.0	-9.8	-9.7

机械性质 Mechanical Properties

H_K (10^7Pa)	338
F_A	402
E (10^7Pa)	6638
G (10^7Pa)	2541
μ	0.306
B (10^{-12}/Pa)	0.18

其他性质 Other Properties

ρ (g/cm^3)	4.36

备注 Remarks

**:退火速率 anneal rate 25℃/h

CDGM