D-ZK2L	587596	n_d = 1.587000	υ_d = 59.60	$n_F - n_C$ = 0.009849
		n_e = 1.589349	υ_e = 59.36	$n_{F'} - n_{C'}$ = 0.009928

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.556875
$n_{1970.09}$	1970.09	1.562707
$n_{1529.58}$	1529.58	1.568852
$n_{1060.0}$	1060.0	1.575067
n_t	1013.98	1.575763
n_s	852.11	1.578621
n_r	706.52	1.582274
n_C	656.27	1.583993
$n_{C'}$	643.85	1.584473
n_{He-Ne}	632.8	1.584921
n_D	589.29	1.586912
n_d	587.56	1.587000
n_e	546.07	1.589349
n_F	486.13	1.593842
$n_{F'}$	479.99	1.594401
n_g	435.83	1.599169
n_h	404.66	1.603582
n_i	365.01	1.611088
$n_{313.18}$	313.18	1.626307
$n_{302.15}$	302.15	1.630807

色散公式常数 Constants of Dispersion Formula

K_1	5.12521894E-01
L_1	1.76943616E-02
K_2	9.67402158E-01
L_2	5.10795325E-03
K_3	1.12488967E+00
L_3	1.09103770E+02

折射率温度系数常数 Constants of dn/dt

D_0	2.09E-06
D_1	1.37E-08
D_2	-3.16E-11
E_0	4.84E-07
E_1	4.03E-10
λ_{TK}(μm)	0.189

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2902	$P'_{s,t}$	0.2879
$P_{C,s}$	0.5454	$P'_{C',s}$	0.5894
$P_{d,C}$	0.3053	$P'_{d,C'}$	0.2545
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2366
$P_{g,F}$	0.5409	$P'_{g,F'}$	0.4803
$P_{i,h}$	0.7621	$P'_{i,h}$	0.7560

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0085	$\Delta P_{C,s}$	0.0028
$\Delta P_{F,e}$	-0.0010	$\Delta P_{g,F}$	-0.0033

着色度 Color Code

λ_{80}/λ_5	335/280
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	509
T_s (℃)	549
$T_{10}^{14.5}$ (℃)	458
T_{10}^{13} (℃)	490
$T_{10}^{7.6}$(℃)	614
$\alpha_{-30/70℃}$(10^{-7}/K)	
$\alpha_{100/300℃}$(10^{-7}/K)	90
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	6
CR	
RC(S)	2
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.880	0.780
2200	0.935	0.874
2000	0.981	0.962
1800	0.991	0.982
1600	0.998	0.997
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	0.996
650	0.997	0.995
600	0.997	0.995
550	0.997	0.995
500	0.997	0.994
480	0.996	0.993
460	0.996	0.992
440	0.995	0.991
420	0.995	0.991
400	0.994	0.988
390	0.992	0.985
380	0.989	0.979
370	0.984	0.969
360	0.972	0.944
350	0.948	0.898
340	0.900	0.810
330	0.810	0.660
320	0.680	0.460
310	0.480	0.230
300	0.270	0.070
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	2.5	2.9	3.0	3.1	3.5	3.8
-40～-20	2.5	2.9	3.0	3.1	3.6	3.8
-20～0	2.6	3.0	3.1	3.3	3.6	3.9
0～20	2.7	3.1	3.3	3.4	3.6	4.0
20～40	2.8	3.2	3.3	3.5	3.7	4.1
40～60	2.8	3.2	3.3	3.6	3.8	4.2
60～80	2.8	3.2	3.3	3.7	3.9	4.3
80～100	2.9	3.3	3.4	3.7	4.1	4.4
100～120	2.9	3.4	3.5	3.7	4.1	4.5
120～140	2.9	3.4	3.7	3.8	4.2	4.6

机械性质 Mechanical Properties

H_K (10^7Pa)	592
F_A	93
E (10^7Pa)	9225
G (10^7Pa)	3689
μ	0.250
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	2.99

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM