D-ZK3L	592607	n_d = 1.591700	υ_d = 60.70	$n_F - n_C$ = 0.009748
		n_e = 1.594025	υ_e = 60.49	$n_{F'} - n_{C'}$ = 0.009821

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.559870
$n_{1970.09}$	1970.09	1.566305
$n_{1529.58}$	1529.58	1.573027
$n_{1060.0}$	1060.0	1.579655
n_t	1013.98	1.580378
n_s	852.11	1.583313
n_r	706.52	1.586995
n_C	656.27	1.588712
$n_{C'}$	643.85	1.589190
n_{He-Ne}	632.8	1.589635
n_D	589.29	1.591613
n_d	587.56	1.591700
n_e	546.07	1.594025
n_F	486.13	1.598460
$n_{F'}$	479.99	1.599011
n_g	435.83	1.603703
n_h	404.66	1.608038
n_i	365.01	1.615398
$n_{313.18}$	313.18	1.630266
$n_{302.15}$	302.15	1.634647

色散公式常数 Constants of Dispersion Formula

K_1	6.38506128E-01
L_1	2.16674072E-03
K_2	8.57387558E-01
L_2	1.44860621E-02
K_3	1.23664057E+00
L_3	1.07881152E+02

折射率温度系数常数 Constants of dn/dt

D_0	2.09E-06
D_1	1.33E-08
D_2	5.99E-11
E_0	4.94E-07
E_1	2.85E-10
λ_{TK}(μm)	0.176

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3011	$P'_{s,t}$	0.2988
$P_{C,s}$	0.5539	$P'_{C',s}$	0.5984
$P_{d,C}$	0.3065	$P'_{d,C'}$	0.2556
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2367
$P_{g,F}$	0.5379	$P'_{g,F'}$	0.4778
$P_{i,h}$	0.7550	$P'_{i,h}$	0.7494

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0227	$\Delta P_{C,s}$	0.0086
$\Delta P_{F,e}$	-0.0016	$\Delta P_{g,F}$	-0.0045

着色度 Color Code

λ_{80}/λ_5	345/295
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	506
T_s (℃)	545
$T_{10}^{14.5}$ (℃)	461
T_{10}^{13} (℃)	492
$T_{10}^{7.6}$(℃)	601
$\alpha_{-30/70℃}$(10^{-7}/K)	
$\alpha_{100/300℃}$(10^{-7}/K)	92
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
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	0.849	0.720
2200	0.933	0.870
2000	0.981	0.962
1800	0.992	0.985
1600	0.998	0.996
1400	0.997	0.995
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	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.996
480	0.998	0.996
460	0.997	0.995
440	0.996	0.993
420	0.996	0.992
400	0.994	0.989
390	0.992	0.985
380	0.988	0.977
370	0.980	0.960
360	0.962	0.925
350	0.928	0.861
340	0.866	0.750
330	0.755	0.570
320	0.600	0.360
310	0.410	0.170
300	0.220	0.050
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						
-40～-20	2.6	3.3	3.5	3.6	3.7	4.4
-20～0	2.9	3.1	3.3	3.3	3.6	4.2
0～20	2.8	3.0	3.2	3.6	3.6	4.1
20～40	2.9	3.0	3.2	3.7	3.7	4.2
40～60	2.9	3.0	3.2	3.8	4.0	4.3
60～80	2.9	3.9	4.2	4.2	4.3	4.3
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	643
F_A	93
E (10^7Pa)	9745
G (10^7Pa)	3950
μ	0.233
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	2.84

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM