D-ZK2A	583595	n_d = 1.583130	υ_d = 59.54	$n_F - n_C$ = 0.009794
		n_e = 1.585466	υ_e = 59.29	$n_{F'} - n_{C'}$ = 0.009874

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.553400
$n_{1970.09}$	1970.09	1.559143
$n_{1529.58}$	1529.58	1.565187
$n_{1060.0}$	1060.0	1.571307
n_t	1013.98	1.571994
n_s	852.11	1.574818
n_r	706.52	1.578437
n_C	656.27	1.580143
$n_{C'}$	643.85	1.580620
n_{He-Ne}	632.8	1.581064
n_D	589.29	1.583043
n_d	587.56	1.583130
n_e	546.07	1.585466
n_F	486.13	1.589937
$n_{F'}$	479.99	1.590494
n_g	435.83	1.595246
n_h	404.66	1.599648
n_i	365.01	1.607145
$n_{313.18}$	313.18	1.622366
$n_{302.15}$	302.15	1.626870

色散公式常数 Constants of Dispersion Formula

K_1	7.12027143E-01
L_1	2.71554778E-03
K_2	7.55933735E-01
L_2	1.57695219E-02
K_3	1.03451888E+00
L_3	1.02738117E+02

折射率温度系数常数 Constants of dn/dt

D_0	2.38E-06
D_1	1.44E-08
D_2	-7.06E-12
E_0	4.67E-07
E_1	3.33E-10
λ_{TK}(μm)	0.196

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2883	$P'_{s,t}$	0.2860
$P_{C,s}$	0.5437	$P'_{C',s}$	0.5876
$P_{d,C}$	0.3050	$P'_{d,C'}$	0.2542
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2366
$P_{g,F}$	0.5421	$P'_{g,F'}$	0.4813
$P_{i,h}$	0.7655	$P'_{i,h}$	0.7593

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0052	$\Delta P_{C,s}$	0.0012
$\Delta P_{F,e}$	-0.0007	$\Delta P_{g,F}$	-0.0022

着色度 Color Code

λ_{80}/λ_5	335/280
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	525
T_s (℃)	563
$T_{10}^{14.5}$ (℃)	469
T_{10}^{13} (℃)	502
$T_{10}^{7.6}$(℃)	642
$\alpha_{-30/70℃}$(10^{-7}/K)	66
$\alpha_{100/300℃}$(10^{-7}/K)	87
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.887	0.787
2200	0.937	0.878
2000	0.982	0.964
1800	0.990	0.981
1600	0.996	0.992
1400	0.993	0.986
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	0.999	0.998
550	0.999	0.998
500	0.999	0.997
480	0.998	0.996
460	0.998	0.996
440	0.998	0.996
420	0.998	0.996
400	0.997	0.994
390	0.996	0.993
380	0.996	0.992
370	0.993	0.986
360	0.990	0.981
350	0.979	0.958
340	0.961	0.924
330	0.928	0.862
320	0.870	0.757
310	0.769	0.592
300	0.620	0.385
290	0.436	0.190
280	0.261	0.068

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	2.7	3.0	3.2	3.4	3.7	3.9
-40～-20	2.7	3.1	3.3	3.4	3.8	3.9
-20～0	2.8	3.1	3.3	3.4	3.9	4.0
0～20	2.8	3.1	3.3	3.4	3.9	4.1
20～40	2.9	3.2	3.4	3.5	3.9	4.2
40～60	2.9	3.3	3.5	3.6	4.0	4.3
60～80	3.0	3.4	3.7	3.8	4.1	4.5
80～100	3.2	3.6	3.9	4.0	4.3	4.7
100～120	3.4	3.8	4.0	4.2	4.5	5.0
120～140	3.5	3.9	4.1	4.3	4.7	5.1

机械性质 Mechanical Properties

H_K (10^7Pa)	558
F_A	140
E (10^7Pa)	8906
G (10^7Pa)	3559
μ	0.251
B (10^{-12}/Pa)	2.33

其他性质 Other Properties

ρ (g/cm^3)	3.09

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM