D-ZK79	609579	n_d = 1.608860	υ_d = 57.90	$n_F - n_C$ = 0.010516
		n_e = 1.611367	υ_e = 57.63	$n_{F'} - n_{C'}$ = 0.010608

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.578975
$n_{1970.09}$	1970.09	1.584458
$n_{1529.58}$	1529.58	1.590300
$n_{1060.0}$	1060.0	1.596397
n_t	1013.98	1.597099
n_s	852.11	1.600028
n_r	706.52	1.603848
n_C	656.27	1.605665
$n_{C'}$	643.85	1.606173
n_{He-Ne}	632.8	1.606648
n_D	589.29	1.608766
n_d	587.56	1.608860
n_e	546.07	1.611367
n_F	486.13	1.616181
$n_{F'}$	479.99	1.616781
n_g	435.83	1.621909
n_h	404.66	1.626666
n_i	365.01	1.634777
$n_{313.18}$	313.18	1.651276
$n_{302.15}$	302.15	1.656166

色散公式常数 Constants of Dispersion Formula

K_1	7.56950911E-01
L_1	3.14478995E-03
K_2	7.88924494E-01
L_2	1.62552471E-02
K_3	1.10449853E+00
L_3	1.12960367E+02

折射率温度系数常数 Constants of dn/dt

D_0	6.70E-07
D_1	1.89E-08
D_2	-2.68E-10
E_0	2.21E-07
E_1	1.09E-09
λ_{TK}(μm)	0.312

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2785	$P'_{s,t}$	0.2761
$P_{C,s}$	0.5360	$P'_{C',s}$	0.5793
$P_{d,C}$	0.3038	$P'_{d,C'}$	0.2533
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5447	$P'_{g,F'}$	0.4834
$P_{i,h}$	0.7713	$P'_{i,h}$	0.7646

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0045	$\Delta P_{C,s}$	-0.0026
$\Delta P_{F,e}$	-0.0003	$\Delta P_{g,F}$	-0.0024

着色度 Color Code

λ_{80}/λ_5	350/295
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	509
T_s (℃)	551
$T_{10}^{14.5}$ (℃)	468
T_{10}^{13} (℃)	500
$T_{10}^{7.6}$(℃)	619
$\alpha_{-30/70℃}$(10^{-7}/K)	81
$\alpha_{100/300℃}$(10^{-7}/K)	99
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
D_A	2
CR	4b
RC(S)	3
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.916	0.839
2200	0.964	0.929
2000	0.987	0.974
1800	0.994	0.988
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	0.999	0.998
700	0.999	0.997
650	0.998	0.996
600	0.998	0.996
550	0.999	0.998
500	0.998	0.997
480	0.998	0.995
460	0.997	0.993
440	0.996	0.992
420	0.996	0.992
400	0.995	0.991
390	0.993	0.986
380	0.989	0.979
370	0.981	0.963
360	0.963	0.927
350	0.930	0.866
340	0.869	0.755
330	0.766	0.587
320	0.614	0.377
310	0.430	0.180
300	0.250	0.060
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	0.7	1.0	1.3	1.5	1.7	1.8
-20～0	1.4	1.7	1.9	2.0	2.3	2.8
0～20	1.6	1.8	2.0	2.1	2.4	2.9
20～40	1.7	2.0	2.3	2.3	2.7	3.0
40～60	1.8	2.1	2.3	2.5	2.9	3.2
60～80	1.8	2.2	2.3	2.5	3.0	3.3
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	586
F_A	141
E (10^7Pa)	9301
G (10^7Pa)	3684
μ	0.262
B (10^{-12}/Pa)	1.83

其他性质 Other Properties

ρ (g/cm^3)	3.19

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM