D-K59	518635	n_d = 1.517600	υ_d = 63.50	$n_F - n_C$ = 0.008151
		n_e = 1.519545	υ_e = 63.30	$n_{F'} - n_{C'}$ = 0.008208

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.489317
$n_{1970.09}$	1970.09	1.495241
$n_{1529.58}$	1529.58	1.501389
$n_{1060.0}$	1060.0	1.507327
n_t	1013.98	1.507962
n_s	852.11	1.510505
n_r	706.52	1.513642
n_C	656.27	1.515091
$n_{C'}$	643.85	1.515493
n_{He-Ne}	632.8	1.515868
n_D	589.29	1.517527
n_d	587.56	1.517600
n_e	546.07	1.519545
n_F	486.13	1.523242
$n_{F'}$	479.99	1.523701
n_g	435.83	1.527603
n_h	404.66	1.531204
n_i	365.01	1.537317
$n_{313.18}$	313.18	1.549695
$n_{302.15}$	302.15	1.553359

色散公式常数 Constants of Dispersion Formula

K_1	1.12095380E+00
L_1	6.57908073E-03
K_2	1.52690608E-01
L_2	2.35724778E-02
K_3	1.07502924E+00
L_3	1.06309977E+02

折射率温度系数常数 Constants of dn/dt

D_0	4.68E-06
D_1	1.50E-08
D_2	-2.12E-11
E_0	4.00E-07
E_1	4.94E-10
λ_{TK}(μm)	0.200

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3120	$P'_{s,t}$	0.3098
$P_{C,s}$	0.5626	$P'_{C',s}$	0.6077
$P_{d,C}$	0.3078	$P'_{d,C'}$	0.2567
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2370
$P_{g,F}$	0.5350	$P'_{g,F'}$	0.4754
$P_{i,h}$	0.7500	$P'_{i,h}$	0.7448

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0291	$\Delta P_{C,s}$	0.0107
$\Delta P_{F,e}$	-0.0015	$\Delta P_{g,F}$	-0.0025

着色度 Color Code

λ_{80}/λ_5	335/305
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	497
T_s (℃)	551
$T_{10}^{14.5}$ (℃)	460
T_{10}^{13} (℃)	492
$T_{10}^{7.6}$(℃)	637
$\alpha_{-30/70℃}$(10^{-7}/K)	60
$\alpha_{100/300℃}$(10^{-7}/K)	80
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	0.900	0.810
2200	0.933	0.870
2000	0.987	0.975
1800	0.994	0.989
1600	0.997	0.995
1400	0.987	0.975
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	0.997	0.995
700	0.997	0.994
650	0.996	0.993
600	0.996	0.993
550	0.997	0.994
500	0.996	0.993
480	0.996	0.992
460	0.996	0.992
440	0.995	0.990
420	0.995	0.990
400	0.995	0.990
390	0.994	0.988
380	0.991	0.983
370	0.989	0.979
360	0.982	0.964
350	0.966	0.933
340	0.927	0.860
330	0.830	0.690
320	0.620	0.380
310	0.280	0.080
300		
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	3.3	3.6	3.7	3.7	4.0	4.4
-40～-20	3.3	3.6	3.8	3.8	4.3	4.4
-20～0	3.4	3.9	4.0	4.1	4.4	4.5
0～20	3.6	4.0	4.1	4.2	4.5	4.5
20～40	3.7	4.0	4.1	4.3	4.5	4.7
40～60	3.7	4.0	4.1	4.3	4.6	4.9
60～80	3.7	4.0	4.1	4.3	4.6	4.9
80～100	3.8	4.0	4.2	4.4	4.6	5.0
100～120	3.9	4.2	4.6	4.7	4.9	5.4
120～140	4.4	4.6	4.8	4.9	5.2	5.7

机械性质 Mechanical Properties

H_K (10^7Pa)	609
F_A	70
E (10^7Pa)	8303
G (10^7Pa)	3424
μ	0.212
B (10^{-12}/Pa)	2.72

其他性质 Other Properties

ρ (g/cm^3)	2.41

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM