D-FK61	497816	n_d = 1.497000	υ_d = 81.61	$n_F - n_C$ = 0.006090
		n_e = 1.498454	υ_e = 81.19	$n_{F'} - n_{C'}$ = 0.006139

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.480203
$n_{1970.09}$	1970.09	1.483155
$n_{1529.58}$	1529.58	1.486350
$n_{1060.0}$	1060.0	1.489775
n_t	1013.98	1.490177
n_s	852.11	1.491866
n_r	706.52	1.494085
n_C	656.27	1.495143
$n_{C'}$	643.85	1.495439
n_{He-Ne}	632.8	1.495715
n_D	589.29	1.496946
n_d	587.56	1.497000
n_e	546.07	1.498454
n_F	486.13	1.501233
$n_{F'}$	479.99	1.501578
n_g	435.83	1.504515
n_h	404.66	1.507219
n_i	365.01	1.511784
$n_{313.18}$	313.18	1.520892
$n_{302.15}$	302.15	1.523546

色散公式常数 Constants of Dispersion Formula

K_1	8.72991432E-01
L_1	4.22111331E-03
K_2	7.56437828E-01
L_2	1.51201184E+02
K_3	3.44497102E-01
L_3	1.38938225E-02

折射率温度系数常数 Constants of dn/dt

D_0	-2.45E-05
D_1	-2.09E-09
D_2	-6.72E-13
E_0	3.69E-07
E_1	2.37E-10
λ_{TK}(μm)	0.173

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2773	$P'_{s,t}$	0.2751
$P_{C,s}$	0.5381	$P'_{C',s}$	0.5820
$P_{d,C}$	0.3049	$P'_{d,C'}$	0.2543
$P_{e,d}$	0.2388	$P'_{e,d}$	0.2368
$P_{g,F}$	0.5389	$P'_{g,F'}$	0.4784
$P_{i,h}$	0.7496	$P'_{i,h}$	0.7436

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.1154	$\Delta P_{C,s}$	-0.0566
$\Delta P_{F,e}$	0.0111	$\Delta P_{g,F}$	0.0322

着色度 Color Code

λ_{80}/λ_5	325/275
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	440
T_s (℃)	471
$T_{10}^{14.5}$ (℃)	404
T_{10}^{13} (℃)	432
$T_{10}^{7.6}$(℃)	517
$\alpha_{-30/70℃}$(10^{-7}/K)	145
$\alpha_{100/300℃}$(10^{-7}/K)	170
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.998	0.996
2200	0.999	0.998
2000	0.999	0.998
1800	0.999	0.998
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	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.998
440	0.998	0.997
420	0.998	0.996
400	0.998	0.997
390	0.997	0.995
380	0.997	0.994
370	0.996	0.992
360	0.991	0.983
350	0.984	0.968
340	0.965	0.931
330	0.929	0.863
320	0.853	0.728
310	0.674	0.454
300	0.558	0.311
290	0.374	0.140
280	0.219	0.048

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	-7.5	-7.4	-7.3	-7.2	-7.2	-7.0
-40～-20	-7.7	-7.5	-7.6	-7.5	-7.4	-7.3
-20～0	-8.1	-8.1	-7.9	-7.8	-7.7	-7.6
0～20	-8.4	-8.3	-8.3	-7.9	-7.8	-7.7
20～40	-8.8	-8.5	-8.5	-8.4	-8.2	-7.9
40～60	-8.9	-8.6	-8.6	-8.6	-8.3	-8.2
60～80	-9.0	-8.7	-8.6	-8.6	-8.5	-8.4
80～100	-9.0	-8.9	-8.6	-8.6	-8.5	-8.4
100～120	-9.1	-9.1	-9.0	-8.9	-8.9	-8.6
120～140	-9.3	-9.2	-9.1	-9.0	-9.0	-8.7

机械性质 Mechanical Properties

H_K (10^7Pa)	332
F_A	358
E (10^7Pa)	6890
G (10^7Pa)	2647
μ	0.301
B (10^{-12}/Pa)	0.53

其他性质 Other Properties

ρ (g/cm^3)	3.90

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM