D-FK95	438945	n_d = 1.437800	υ_d = 94.52	$n_F - n_C$ = 0.004632
		n_e = 1.438906	υ_e = 94.08	$n_{F'} - n_{C'}$ = 0.004665

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.423863
$n_{1970.09}$	1970.09	1.426473
$n_{1529.58}$	1529.58	1.429266
$n_{1060.0}$	1060.0	1.432152
n_t	1013.98	1.432480
n_s	852.11	1.433830
n_r	706.52	1.435563
n_C	656.27	1.436378
$n_{C'}$	643.85	1.436606
n_{He-Ne}	632.8	1.436818
n_D	589.29	1.437759
n_d	587.56	1.437800
n_e	546.07	1.438906
n_F	486.13	1.441010
$n_{F'}$	479.99	1.441271
n_g	435.83	1.443481
n_h	404.66	1.445509
n_i	365.01	1.448917
$n_{313.18}$	313.18	1.455670
$n_{302.15}$	302.15	1.457628

色散公式常数 Constants of Dispersion Formula

K_1	9.73027043E-01
L_1	4.91945800E-03
K_2	7.73632160E-02
L_2	1.82009400E-02
K_3	6.87944956E-01
L_3	1.59446090E+02

折射率温度系数常数 Constants of dn/dt

D_0	-2.24E-05
D_1	-5.60E-09
D_2	-9.96E-12
E_0	3.32E-07
E_1	4.01E-12
λ_{TK}(μm)	0.182

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2915	$P'_{s,t}$	0.2894
$P_{C,s}$	0.5501	$P'_{C',s}$	0.5951
$P_{d,C}$	0.3070	$P'_{d,C'}$	0.2559
$P_{e,d}$	0.2388	$P'_{e,d}$	0.2371
$P_{g,F}$	0.5335	$P'_{g,F'}$	0.4737
$P_{i,h}$	0.7358	$P'_{i,h}$	0.7305

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.1501	$\Delta P_{C,s}$	-0.0751
$\Delta P_{F,e}$	0.0160	$\Delta P_{g,F}$	0.0487

着色度 Color Code

λ_{80}/λ_5	310/-
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	409
T_s (℃)	446
$T_{10}^{14.5}$ (℃)	380
T_{10}^{13} (℃)	403
$T_{10}^{7.6}$(℃)	482
$\alpha_{-30/70℃}$(10^{-7}/K)	143
$\alpha_{100/300℃}$(10^{-7}/K)	169
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.999	0.998
2200	0.999	0.999
2000	0.999	0.999
1800	0.999	0.999
1600	0.999	0.999
1400	0.999	0.999
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	0.998	0.997
460	0.998	0.997
440	0.998	0.996
420	0.998	0.996
400	0.998	0.996
390	0.998	0.996
380	0.997	0.995
370	0.997	0.994
360	0.994	0.988
350	0.991	0.983
340	0.980	0.961
330	0.962	0.926
320	0.925	0.856
310	0.855	0.731
300	0.752	0.566
290	0.620	0.384
280	0.488	0.238

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	-5.5	-5.4	-5.4	-5.4	-5.2	-5.1
-40～-20	-6.0	-5.8	-5.7	-5.7	-5.5	-5.4
-20～0	-6.4	-6.1	-6.1	-6.0	-6.0	-5.9
0～20	-6.8	-6.6	-6.5	-6.4	-6.3	-6.1
20～40	-6.9	-6.7	-6.7	-6.5	-6.5	-6.4
40～60	-7.1	-7.0	-7.0	-6.9	-6.8	-6.6
60～80	-7.2	-7.3	-7.2	-7.1	-6.8	-6.8
80～100	-7.6	-7.5	-7.4	-7.3	-7.3	-7.2
100～120	-7.9	-7.8	-7.6	-7.6	-7.4	-7.3
120～140	-8.0	-7.8	-7.8	-7.7	-7.5	-7.3

机械性质 Mechanical Properties

H_K (10^7Pa)	348
F_A	355
E (10^7Pa)	7195
G (10^7Pa)	2764
μ	0.302
B (10^{-12}/Pa)	0.62

其他性质 Other Properties

ρ (g/cm^3)	3.52

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM