D-QK3L	487704	n_d = 1.487490	υ_d = 70.44	$n_F - n_C$ = 0.006921
		n_e = 1.489143	υ_e = 70.26	$n_{F'} - n_{C'}$ = 0.006962

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.461770
$n_{1970.09}$	1970.09	1.467372
$n_{1529.58}$	1529.58	1.473126
$n_{1060.0}$	1060.0	1.478559
n_t	1013.98	1.479127
n_s	852.11	1.481377
n_r	706.52	1.484102
n_C	656.27	1.485347
$n_{C'}$	643.85	1.485692
n_{He-Ne}	632.8	1.486012
n_D	589.29	1.487428
n_d	587.56	1.487490
n_e	546.07	1.489143
n_F	486.13	1.492268
$n_{F'}$	479.99	1.492654
n_g	435.83	1.495931
n_h	404.66	1.498939
n_i	365.01	1.504011
$n_{313.18}$	313.18	1.514137
$n_{302.15}$	302.15	1.517093

色散公式常数 Constants of Dispersion Formula

K_1	6.01737491E-01
L_1	1.25749740E-02
K_2	8.58737004E-01
L_2	9.23325663E+01
K_3	5.86761501E-01
L_3	2.68750900E-03

折射率温度系数常数 Constants of dn/dt

D_0	-9.26E-06
D_1	1.71E-08
D_2	-1.54E-11
E_0	3.26E-07
E_1	5.95E-10
λ_{TK}(μm)	0.187

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3251	$P'_{s,t}$	0.3232
$P_{C,s}$	0.5736	$P'_{C',s}$	0.6198
$P_{d,C}$	0.3096	$P'_{d,C'}$	0.2583
$P_{e,d}$	0.2388	$P'_{e,d}$	0.2374
$P_{g,F}$	0.5293	$P'_{g,F'}$	0.4707
$P_{i,h}$	0.7328	$P'_{i,h}$	0.7285

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0205	$\Delta P_{C,s}$	0.0053
$\Delta P_{F,e}$	0.0002	$\Delta P_{g,F}$	0.0035

着色度 Color Code

λ_{80}/λ_5	305/270
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	473
T_s (℃)	567
$T_{10}^{14.5}$ (℃)	431
T_{10}^{13} (℃)	463
$T_{10}^{7.6}$(℃)	673
$\alpha_{-30/70℃}$(10^{-7}/K)	91
$\alpha_{100/300℃}$(10^{-7}/K)	101
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
D_A	4
CR	2
RC(S)	1
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.918	0.844
2200	0.938	0.879
2000	0.989	0.977
1800	0.994	0.989
1600	0.996	0.992
1400	0.990	0.980
1200	0.999	0.998
1060	0.999	0.999
1000	0.999	0.999
950	0.999	0.999
900	0.999	0.999
850	0.999	0.999
800	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.998	0.997
550	0.998	0.996
500	0.998	0.996
480	0.998	0.996
460	0.998	0.996
440	0.997	0.995
420	0.997	0.995
400	0.998	0.996
390	0.997	0.995
380	0.997	0.994
370	0.996	0.993
360	0.996	0.993
350	0.994	0.989
340	0.990	0.980
330	0.987	0.974
320	0.974	0.948
310	0.945	0.893
300	0.868	0.753
290	0.688	0.474
280	0.385	0.148

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	-2.6	-2.3	-2.2	-2.2	-2.0	-1.9
-40～-20	-2.5	-2.2	-2.1	-2.1	-2.0	-1.8
-20～0	-2.3	-2.1	-2.0	-2.0	-1.9	-1.7
0～20	-2.1	-2.0	-2.0	-1.9	-1.8	-1.6
20～40	-2.1	-1.9	-1.8	-1.8	-1.6	-1.5
40～60	-2.1	-1.9	-1.7	-1.7	-1.5	-1.4
60～80	-1.9	-1.9	-1.7	-1.6	-1.4	-1.1
80～100	-1.7	-1.6	-1.4	-1.3	-1.1	-0.8
100～120	-1.7	-1.3	-1.2	-1.2	-0.9	-0.7
120～140	-1.5	-1.1	-1.1	-1.1	-0.8	-0.6

机械性质 Mechanical Properties

H_K (10^7Pa)	518
F_A	93
E (10^7Pa)	6228
G (10^7Pa)	2539
μ	0.227
B (10^{-12}/Pa)	2.80

其他性质 Other Properties

ρ (g/cm^3)	2.43

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM