D-K9	516641	n_d = 1.516330	υ_d = 64.06	$n_F - n_C$ = 0.008060
		n_e = 1.518254	υ_e = 63.86	$n_{F'} - n_{C'}$ = 0.008115

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.488293
$n_{1970.09}$	1970.09	1.494167
$n_{1529.58}$	1529.58	1.500265
$n_{1060.0}$	1060.0	1.506155
n_t	1013.98	1.506784
n_s	852.11	1.509305
n_r	706.52	1.512413
n_C	656.27	1.513847
$n_{C'}$	643.85	1.514245
n_{He-Ne}	632.8	1.514616
n_D	589.29	1.516258
n_d	587.56	1.516330
n_e	546.07	1.518254
n_F	486.13	1.521907
$n_{F'}$	479.99	1.522360
n_g	435.83	1.526210
n_h	404.66	1.529756
n_i	365.01	1.535756
$n_{313.18}$	313.18	1.547811
$n_{302.15}$	302.15	1.551348

色散公式常数 Constants of Dispersion Formula

K_1	5.67853792E-01
L_1	2.38581579E-03
K_2	7.02269689E-01
L_2	1.35348332E-02
K_3	1.08102455E+00
L_3	1.07748228E+02

折射率温度系数常数 Constants of dn/dt

D_0	4.87E-06
D_1	1.55E-08
D_2	-1.35E-11
E_0	4.17E-07
E_1	5.20E-10
λ_{TK}(μm)	0.177

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3128	$P'_{s,t}$	0.3107
$P_{C,s}$	0.5635	$P'_{C',s}$	0.6087
$P_{d,C}$	0.3081	$P'_{d,C'}$	0.2569
$P_{e,d}$	0.2387	$P'_{e,d}$	0.2371
$P_{g,F}$	0.5339	$P'_{g,F'}$	0.4744
$P_{i,h}$	0.7444	$P'_{i,h}$	0.7394

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0282	$\Delta P_{C,s}$	0.0103
$\Delta P_{F,e}$	-0.0015	$\Delta P_{g,F}$	-0.0027

着色度 Color Code

λ_{80}/λ_5	315/280
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	496
T_s (℃)	558
$T_{10}^{14.5}$ (℃)	451
T_{10}^{13} (℃)	483
$T_{10}^{7.6}$(℃)	637
$\alpha_{-30/70℃}$(10^{-7}/K)	63
$\alpha_{100/300℃}$(10^{-7}/K)	78
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	0.918	0.842
2200	0.952	0.906
2000	0.989	0.978
1800	0.995	0.990
1600	0.997	0.995
1400	0.991	0.982
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	0.997
550	0.998	0.996
500	0.998	0.996
480	0.998	0.996
460	0.998	0.996
440	0.998	0.996
420	0.998	0.996
400	0.998	0.996
390	0.997	0.994
380	0.996	0.992
370	0.994	0.989
360	0.990	0.981
350	0.980	0.960
340	0.968	0.937
330	0.927	0.860
320	0.851	0.725
310	0.710	0.504
300	0.498	0.248
290	0.257	0.066
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	3.7	4.0	4.1	4.2	4.4	4.6
-40～-20	3.5	3.8	3.9	4.0	4.2	4.5
-20～0	3.6	3.8	3.9	4.0	4.2	4.6
0～20	3.6	3.9	4.0	4.1	4.3	4.7
20～40	3.7	4.0	4.1	4.3	4.5	4.8
40～60	3.8	4.1	4.2	4.5	4.6	4.9
60～80	3.8	4.2	4.3	4.5	4.8	5.0
80～100	3.9	4.4	4.5	4.7	5.0	5.3
100～120	4.1	4.5	4.6	4.7	5.1	5.5
120～140	4.3	4.7	4.8	4.9	5.3	5.6

机械性质 Mechanical Properties

H_K (10^7Pa)	492
F_A	72
E (10^7Pa)	8318
G (10^7Pa)	3430
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