D-ZLaF85LN	846401	n_d = 1.845580	υ_d = 40.09	$n_F - n_C$ = 0.021090
		n_e = 1.850588	υ_e = 39.84	$n_{F'} - n_{C'}$ = 0.021351

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.799264
$n_{1970.09}$	1970.09	1.806095
$n_{1529.58}$	1529.58	1.813679
$n_{1060.0}$	1060.0	1.822643
n_t	1013.98	1.823789
n_s	852.11	1.828823
n_r	706.52	1.835858
n_C	656.27	1.839331
$n_{C'}$	643.85	1.840314
n_{He-Ne}	632.8	1.841237
n_D	589.29	1.845395
n_d	587.56	1.845580
n_e	546.07	1.850588
n_F	486.13	1.860421
$n_{F'}$	479.99	1.861665
n_g	435.83	1.872472
n_h	404.66	1.882776
n_i	365.01	1.901016
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.92017081E+00
L_1	9.61912018E-03
K_2	3.86379034E-01
L_2	3.89567822E-02
K_3	1.29116600E+00
L_3	9.79773368E+01

折射率温度系数常数 Constants of dn/dt

D_0	4.18E-06
D_1	1.74E-08
D_2	-3.81E-11
E_0	8.61E-07
E_1	5.26E-10
λ_{TK}(μm)	0.215

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2387	$P'_{s,t}$	0.2358
$P_{C,s}$	0.4982	$P'_{C',s}$	0.5382
$P_{d,C}$	0.2963	$P'_{d,C'}$	0.2466
$P_{e,d}$	0.2375	$P'_{e,d}$	0.2346
$P_{g,F}$	0.5714	$P'_{g,F'}$	0.5062
$P_{i,h}$	0.8649	$P'_{i,h}$	0.8543

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0018	$\Delta P_{C,s}$	0.0017
$\Delta P_{F,e}$	-0.0015	$\Delta P_{g,F}$	-0.0060

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	375/340

热性质 Thermal Properties

T_g (℃)	614
T_s (℃)	642
$T_{10}^{14.5}$ (℃)	564
T_{10}^{13} (℃)	594
$T_{10}^{7.6}$(℃)	703
$\alpha_{-30/70℃}$(10^{-7}/K)	63
$\alpha_{100/300℃}$(10^{-7}/K)	82
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.882	0.778
2200	0.969	0.939
2000	0.988	0.976
1800	0.997	0.994
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	0.997
650	0.998	0.996
600	0.997	0.995
550	0.997	0.995
500	0.997	0.994
480	0.995	0.990
460	0.993	0.986
440	0.991	0.982
420	0.987	0.974
400	0.976	0.952
390	0.962	0.926
380	0.941	0.885
370	0.893	0.798
360	0.797	0.635
350	0.587	0.344
340	0.257	0.066
330		
320		
310		
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	4.2	5.2	5.6	5.8	6.7	7.5
-40～-20	4.3	5.3	5.7	6.0	6.9	7.7
-20～0	4.5	5.6	6.0	6.2	7.2	8.2
0～20	4.7	5.9	6.2	6.5	7.3	8.4
20～40	4.8	6.1	6.4	6.6	7.5	8.5
40～60	5.5	6.4	6.7	7.1	8.4	9.2
60～80	5.5	6.5	6.8	7.5	8.5	9.5
80～100	5.7	6.7	7.1	7.7	8.4	9.5
100～120	5.6	6.8	7.1	7.6	8.5	9.6
120～140	5.6	6.7	7.3	8.0	8.9	10.2

机械性质 Mechanical Properties

H_K (10^7Pa)	621
F_A	102
E (10^7Pa)	11664
G (10^7Pa)	4458
μ	0.308
B (10^{-12}/Pa)	1.64

其他性质 Other Properties

ρ (g/cm^3)	4.96

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM