H-LaF1	694492	n_d = 1.693620	υ_d = 49.19	$n_F - n_C$ = 0.014100
		n_e = 1.696974	υ_e = 48.91	$n_{F'} - n_{C'}$ = 0.014250

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.658227
$n_{1970.09}$	1970.09	1.664157
$n_{1529.58}$	1529.58	1.670577
$n_{1060.0}$	1060.0	1.677632
n_t	1013.98	1.678482
n_s	852.11	1.682117
n_r	706.52	1.687018
n_C	656.27	1.689393
$n_{C'}$	643.85	1.690062
n_{He-Ne}	632.8	1.690688
n_D	589.29	1.693495
n_d	587.56	1.693620
n_e	546.07	1.696974
n_F	486.13	1.703493
$n_{F'}$	479.99	1.704312
n_g	435.83	1.711376
n_h	404.66	1.718030
n_i	365.01	1.729612
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.16155250E+00
L_1	1.06692961E+02
K_2	1.49000619E+00
L_2	7.36542430E-03
K_3	3.17836401E-01
L_3	3.13945298E-02

折射率温度系数常数 Constants of dn/dt

D_0	1.00E-06
D_1	2.31E-08
D_2	-1.60E-10
E_0	5.94E-07
E_1	-4.95E-10
λ_{TK}(μm)	0.215

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2578	$P'_{s,t}$	0.2551
$P_{C,s}$	0.5160	$P'_{C',s}$	0.5575
$P_{d,C}$	0.2998	$P'_{d,C'}$	0.2497
$P_{e,d}$	0.2379	$P'_{e,d}$	0.2354
$P_{g,F}$	0.5591	$P'_{g,F'}$	0.4957
$P_{i,h}$	0.8214	$P'_{i,h}$	0.8128

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0042	$\Delta P_{C,s}$	-0.0020
$\Delta P_{F,e}$	-0.0004	$\Delta P_{g,F}$	-0.0028

着色度 Color Code

λ_{80}/λ_5	385/340
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	640
T_s (℃)	676
$T_{10}^{14.5}$ (℃)	595
T_{10}^{13} (℃)	627
$T_{10}^{7.6}$(℃)	737
$\alpha_{-30/70℃}$(10^{-7}/K)	71
$\alpha_{100/300℃}$(10^{-7}/K)	85
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.897	0.805
2200	0.971	0.942
2000	0.989	0.979
1800	0.996	0.991
1600	0.997	0.994
1400	0.998	0.997
1200	0.999	0.999
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	0.997	0.994
700	0.997	0.994
650	0.997	0.995
600	0.998	0.997
550	0.998	0.996
500	0.997	0.995
480	0.996	0.992
460	0.994	0.989
440	0.991	0.983
420	0.988	0.976
400	0.978	0.957
390	0.968	0.937
380	0.951	0.904
370	0.914	0.835
360	0.834	0.696
350	0.658	0.433
340	0.330	0.109
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						
-40～-20	1.5	1.8	1.9	2.4	2.7	3.1
-20～0	1.7	2.3	2.5	3.1	3.5	4.2
0～20	2.4	2.9	3.2	3.3	3.9	4.4
20～40	2.5	3.1	3.4	3.4	4.0	4.5
40～60	2.6	3.1	3.5	3.7	4.1	4.6
60～80	2.5	3.1	3.5	3.6	4.2	4.7
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	613
F_A	158
E (10^7Pa)	10138
G (10^7Pa)	3933
μ	0.289
B (10^{-12}/Pa)	1.82

其他性质 Other Properties

ρ (g/cm^3)	3.85

备注 Remarks

CDGM