H-LaF55	762401	n_d = 1.762000	υ_d = 40.11	$n_F - n_C$ = 0.019000
		n_e = 1.766509	υ_e = 39.83	$n_{F'} - n_{C'}$ = 0.019244

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.721805
$n_{1970.09}$	1970.09	1.727456
$n_{1529.58}$	1529.58	1.733819
$n_{1060.0}$	1060.0	1.741545
n_t	1013.98	1.742551
n_s	852.11	1.747000
n_r	706.52	1.753275
n_C	656.27	1.756386
$n_{C'}$	643.85	1.757268
n_{He-Ne}	632.8	1.758097
n_D	589.29	1.761833
n_d	587.56	1.762000
n_e	546.07	1.766509
n_F	486.13	1.775386
$n_{F'}$	479.99	1.776512
n_g	435.83	1.786306
n_h	404.66	1.795679
n_i	365.01	1.812368
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.73920103E+00
L_1	9.74400845E-03
K_2	1.16162575E+00
L_2	1.11118099E+02
K_3	2.79488106E-01
L_3	4.23325277E-02

折射率温度系数常数 Constants of dn/dt

D_0	-2.76E-06
D_1	1.53E-08
D_2	-4.05E-11
E_0	7.53E-07
E_1	5.10E-10
λ_{TK}(μm)	0.241

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2342	$P'_{s,t}$	0.2312
$P_{C,s}$	0.4940	$P'_{C',s}$	0.5336
$P_{d,C}$	0.2955	$P'_{d,C'}$	0.2459
$P_{e,d}$	0.2373	$P'_{e,d}$	0.2343
$P_{g,F}$	0.5747	$P'_{g,F'}$	0.5089
$P_{i,h}$	0.8784	$P'_{i,h}$	0.8672

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0071	$\Delta P_{C,s}$	-0.0025
$\Delta P_{F,e}$	-0.0005	$\Delta P_{g,F}$	-0.0027

着色度 Color Code

λ_{80}/λ_5	385/340
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	619
T_s (℃)	673
$T_{10}^{14.5}$ (℃)	578
T_{10}^{13} (℃)	613
$T_{10}^{7.6}$(℃)	746
$\alpha_{-30/70℃}$(10^{-7}/K)	82
$\alpha_{100/300℃}$(10^{-7}/K)	95
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.903	0.815
2200	0.957	0.916
2000	0.981	0.962
1800	0.990	0.981
1600	0.997	0.994
1400	0.998	0.996
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	0.998	0.996
700	0.998	0.996
650	0.997	0.995
600	0.997	0.995
550	0.997	0.995
500	0.996	0.992
480	0.995	0.990
460	0.994	0.988
440	0.991	0.982
420	0.987	0.975
400	0.977	0.954
390	0.963	0.928
380	0.936	0.876
370	0.879	0.772
360	0.748	0.559
350	0.477	0.228
340		
330		
320		
310		
300		
290		
280		

机械性质 Mechanical Properties

H_K (10^7Pa)	506
F_A	179
E (10^7Pa)	9460
G (10^7Pa)	3663
μ	0.291
B (10^{-12}/Pa)	1.68

其他性质 Other Properties

ρ (g/cm^3)	4.30

备注 Remarks

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	0.0	0.8	1.1	1.3	2.1	2.7
-40～-20	0.1	0.8	1.1	1.4	2.1	3.0
-20～0	0.2	1.0	1.2	1.5	2.2	3.2
0～20	0.4	1.2	1.4	1.8	2.4	3.5
20～40	0.6	1.3	1.6	2.1	2.7	3.6
40～60	0.7	1.4	1.8	2.2	3.0	3.8
60～80	0.7	1.5	2.0	2.3	3.2	3.9
80～100	0.8	1.7	2.0	2.3	3.3	4.2
100～120	0.8	1.7	2.1	2.3	3.4	4.3
120～140	0.9	1.9	2.3	2.4	3.5	4.4

CDGM