H-LaF54	800422	n_d = 1.79952	υ_d = 42.24	$n_F - n_C$ = 0.018927
		n_e = 1.80401	υ_e = 42.00	$n_{F'} - n_{C'}$ = 0.019145

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	
$n_{1970.09}$	1970.09	
$n_{1529.58}$	1529.58	
$n_{1060.0}$	1060.0	
n_t	1013.98	1.77963
n_s	852.11	1.78426
n_r	706.52	1.79072
n_C	656.27	1.79387
$n_{C'}$	643.85	1.79476
n_{He-Ne}	632.8	1.79560
n_D	589.29	1.79935
n_d	587.56	1.79952
n_e	546.07	1.80401
n_F	486.13	1.81280
$n_{F'}$	479.99	1.81391
n_g	435.83	1.82354
n_h	404.66	1.83270
n_i	365.01	1.84881
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	3.1447020E+00
A_1	-1.0105906E-02
A_2	3.4309697E-02
A_3	-8.3312791E-04
A_4	2.1700843E-04
A_5	-8.7014790E-06

折射率温度系数常数 Constants of dn/dt

D_0	6.31E-06
D_1	2.13E-08
D_2	9.75E-11
E_0	1.02E-06
E_1	2.29E-10
λ_{TK}(μm)	0.077

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2446	$P'_{s,t}$	0.2418
$P_{C,s}$	0.5077	$P'_{C',s}$	0.5484
$P_{d,C}$	0.2983	$P'_{d,C'}$	0.2486
$P_{e,d}$	0.2372	$P'_{e,d}$	0.2345
$P_{g,F}$	0.5674	$P'_{g,F'}$	0.5030
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0071	$\Delta P_{C,s}$	0.0061
$\Delta P_{F,e}$	-0.0021	$\Delta P_{g,F}$	-0.0064

着色度 Color Code

λ_{80}/λ_5	395/335
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	602
T_s (℃)	630
$T_{10}^{14.5}$ (℃)	559
T_{10}^{13} (℃)	587
$T_{10}^{7.6}$(℃)	687
$\alpha_{-30/70℃}$(10^{-7}/K)	57
$\alpha_{100/300℃}$(10^{-7}/K)	70
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.850	0.730
2200	0.960	0.921
2000	0.984	0.969
1800	0.995	0.990
1600	0.998	0.996
1400	0.999	0.998
1200	0.999	0.998
1060	0.998	0.997
1000	0.998	0.997
950	0.998	0.996
900	0.998	0.996
850	0.998	0.996
800	0.998	0.997
700	0.998	0.997
650	0.998	0.997
600	0.998	0.996
550	0.997	0.995
500	0.997	0.994
480	0.996	0.993
460	0.995	0.991
440	0.992	0.985
420	0.987	0.974
400	0.974	0.949
390	0.961	0.924
380	0.949	0.900
370	0.900	0.810
360	0.820	0.680
350	0.680	0.460
340	0.380	0.150
330	0.080	0.010
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	6.0	7.0	7.3	7.6	8.1	9.1
-20～0	6.0	7.0	7.2	7.4	8.7	9.1
0～20	5.9	7.1	7.2	7.7	8.4	9.1
20～40	6.2	7.3	8.0	8.2	8.5	9.3
40～60	6.8	7.5	8.5	8.7	9.3	10.0
60～80	7.4	8.1	8.6	9.1	9.9	11.1
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	698
F_A	104
E (10^7Pa)	11076
G (10^7Pa)	4249
μ	0.303
B (10^{-12}/Pa)	2.16

其他性质 Other Properties

ρ (g/cm^3)	4.51

备注 Remarks

CDGM