H-LaF50B	773496	n_d = 1.772500	υ_d = 49.60	$n_F - n_C$ = 0.015575
		n_e = 1.776209	υ_e = 49.36	$n_{F'} - n_{C'}$ = 0.015726

折射率 Refractive Index		
	λ（nm）	
$n_{2325.42}$	2325.42	1.730421
$n_{1970.09}$	1970.09	1.737963
$n_{1529.58}$	1529.58	1.745963
$n_{1060.0}$	1060.0	1.754426
n_t	1013.98	1.755418
n_s	852.11	1.759600
n_r	706.52	1.765140
n_C	656.27	1.767798
$n_{C'}$	643.85	1.768544
n_{He-Ne}	632.8	1.769242
n_D	589.29	1.772362
n_d	587.56	1.772500
n_e	546.07	1.776209
n_F	486.13	1.783373
$n_{F'}$	479.99	1.784270
n_g	435.83	1.791965
n_h	404.66	1.799156
n_i	365.01	1.811543
$n_{313.18}$	313.18	1.837297
$n_{302.15}$	302.15	1.845095

色散公式常数 Constants of Dispersion Formula	
K_1	1.17461263E+00
L_1	8.26267633E+01
K_2	1.65889744E+00
L_2	8.05128060E-03
K_3	4.13174064E-01
L_3	2.69612640E-02

折射率温度系数常数 Constants of dn/dt	
D_0	2.17E-06
D_1	1.36E-08
D_2	-3.28E-11
E_0	5.95E-07
E_1	8.86E-10
λ_{TK}(μm)	0.161

相对部分色散 Relative Partial Dispersions			
$P_{s,t}$	0.2685	$P'_{s,t}$	0.2659
$P_{C,s}$	0.5264	$P'_{C',s}$	0.5687
$P_{d,C}$	0.3019	$P'_{d,C'}$	0.2516
$P_{e,d}$	0.2381	$P'_{e,d}$	0.2359
$P_{g,F}$	0.5517	$P'_{g,F'}$	0.4893
$P_{i,h}$	0.7953	$P'_{i,h}$	0.7877

异常色散 Abnormal Dispersions			
$\Delta P_{C,t}$	0.0149	$\Delta P_{C,s}$	0.0074
$\Delta P_{F,e}$	-0.0026	$\Delta P_{g,F}$	-0.0096

着色度 Color Code	
λ_{80}/λ_5	375/305
λ_{70}/λ_5	

热性质 Thermal Properties	
T_g (℃)	681
T_s (℃)	708
$T_{10^{14.5}}$ (℃)	637
$T_{10^{13}}$ (℃)	665
$T_{10^{7.6}}$(℃)	754
$\alpha_{-30/70℃}$(10^{-7}/K)	58
$\alpha_{100/300℃}$(10^{-7}/K)	75
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	0.814	0.662
2200	0.947	0.896
2000	0.981	0.962
1800	0.993	0.987
1600	0.997	0.995
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	0.997	0.994
700	0.997	0.994
650	0.997	0.994
600	0.998	0.996
550	0.998	0.996
500	0.998	0.996
480	0.997	0.994
460	0.996	0.993
440	0.993	0.987
420	0.991	0.982
400	0.986	0.973
390	0.980	0.961
380	0.971	0.943
370	0.954	0.911
360	0.926	0.857
350	0.879	0.773
340	0.809	0.654
330	0.706	0.499
320	0.557	0.310
310	0.339	0.115
300	0.122	0.015
290		
280		

机械性质 Mechanical Properties	
H_K (10^7Pa)	723
F_A	92
E (10^7Pa)	12370
G (10^7Pa)	4793
μ	0.290
B (10^{-12}/Pa)	1.39

其他性质 Other Properties	
ρ (g/cm^3)	4.24

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	2.7	3.2	3.5	3.6	4.2	4.4
-40～-20	3.0	3.4	3.7	3.9	4.4	4.6
-20～0	3.4	3.9	4.0	4.2	4.6	5.2
0～20	3.2	3.7	3.8	4.1	4.5	5.1
20～40	3.5	4.0	4.3	4.3	5.0	5.6
40～60	3.5	4.2	4.4	4.6	5.2	5.6
60～80	3.2	4.1	4.1	4.7	5.0	5.6
80～100	3.4	4.3	4.5	4.9	5.4	5.9
100～120	3.7	4.5	4.7	5.1	5.7	6.2
120～140	3.9	4.7	4.9	5.1	5.8	6.3