H-LaFL5	754375	n_d = 1.753670	υ_d = 37.49	$n_F - n_C$ = 0.020102
		n_e = 1.758433	υ_e = 37.23	$n_{F'} - n_{C'}$ = 0.020372

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.709357
$n_{1970.09}$	1970.09	1.716020
$n_{1529.58}$	1529.58	1.723386
$n_{1060.0}$	1060.0	1.731977
n_t	1013.98	1.733065
n_s	852.11	1.737828
n_r	706.52	1.744469
n_C	656.27	1.747750
$n_{C'}$	643.85	1.748680
n_{He-Ne}	632.8	1.749553
n_D	589.29	1.753494
n_d	587.56	1.753670
n_e	546.07	1.758433
n_F	486.13	1.767852
$n_{F'}$	479.99	1.769052
n_g	435.83	1.779550
n_h	404.66	1.789721
n_i	365.01	1.808228
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.26562517E+00
L_1	1.02654797E+02
K_2	1.81324770E+00
L_2	1.11614870E-02
K_3	1.73525791E-01
L_3	5.41388764E-02

折射率温度系数常数 Constants of dn/dt

D_0	-2.04E-07
D_1	2.80E-08
D_2	-1.11E-10
E_0	6.56E-07
E_1	-8.41E-10
λ_{TK}(μm)	0.272

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2369	$P'_{s,t}$	0.2338
$P_{C,s}$	0.4936	$P'_{C',s}$	0.5327
$P_{d,C}$	0.2945	$P'_{d,C'}$	0.2449
$P_{e,d}$	0.2369	$P'_{e,d}$	0.2338
$P_{g,F}$	0.5819	$P'_{g,F'}$	0.5153
$P_{i,h}$	0.9207	$P'_{i,h}$	0.9085

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0076	$\Delta P_{C,s}$	0.0032
$\Delta P_{F,e}$	-0.0006	$\Delta P_{g,F}$	0.0001

着色度 Color Code

λ_{80}/λ_5	410/350
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	647
T_s (℃)	687
$T_{10}^{14.5}$ (℃)	604
T_{10}^{13} (℃)	640
$T_{10}^{7.6}$(℃)	754
$\alpha_{-30/70℃}$(10^{-7}/K)	70
$\alpha_{100/300℃}$(10^{-7}/K)	84
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	5
CR	1
RC(S)	1
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.906	0.820
2200	0.966	0.934
2000	0.989	0.979
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	0.998	0.997
650	0.998	0.996
600	0.997	0.995
550	0.996	0.993
500	0.991	0.982
480	0.987	0.974
460	0.983	0.966
440	0.978	0.956
420	0.968	0.937
400	0.946	0.894
390	0.922	0.850
380	0.880	0.770
370	0.770	0.600
360	0.520	0.270
350	0.140	0.020
340		
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	0.4	1.2	1.9	2.1	2.4	3.7
-20～0	1.6	1.9	2.3	2.8	3.8	4.7
0～20	1.6	2.1	2.6	3.0	3.9	4.9
20～40	2.1	2.7	3.1	3.4	4.2	5.0
40～60	2.3	3.2	3.4	3.7	4.5	5.2
60～80	2.4	3.2	3.5	3.8	4.7	5.4
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	576
F_A	135
E (10^7Pa)	10508
G (10^7Pa)	4114
μ	0.277
B (10^{-12}/Pa)	1.95

其他性质 Other Properties

ρ (g/cm^3)	3.71

备注 Remarks

CDGM