H-LaK7A	713538	n_d = 1.713000	υ_d = 53.83	$n_F - n_C$ = 0.013245
		n_e = 1.716157	υ_e = 53.61	$n_{F'} - n_{C'}$ = 0.013359

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.673161
$n_{1970.09}$	1970.09	1.680891
$n_{1529.58}$	1529.58	1.688970
$n_{1060.0}$	1060.0	1.697125
n_t	1013.98	1.698041
n_s	852.11	1.701819
n_r	706.52	1.706676
n_C	656.27	1.708972
$n_{C'}$	643.85	1.709614
n_{He-Ne}	632.8	1.710213
n_D	589.29	1.712882
n_d	587.56	1.713000
n_e	546.07	1.716157
n_F	486.13	1.722217
$n_{F'}$	479.99	1.722973
n_g	435.83	1.729438
n_h	404.66	1.735448
n_i	365.01	1.745730
$n_{313.18}$	313.18	1.766804
$n_{302.15}$	302.15	1.773094

色散公式常数 Constants of Dispersion Formula

K_1	1.20674811E+00
L_1	8.43499012E+01
K_2	1.06717731E+00
L_2	4.38189500E-03
K_3	8.11229515E-01
L_3	1.89828890E-02

折射率温度系数常数 Constants of dn/dt

D_0	1.82E-06
D_1	1.41E-08
D_2	-1.49E-11
E_0	4.32E-07
E_1	7.94E-10
λ_{TK}(μm)	0.207

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2852	$P'_{s,t}$	0.2828
$P_{C,s}$	0.5401	$P'_{C',s}$	0.5835
$P_{d,C}$	0.3041	$P'_{d,C'}$	0.2535
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5452	$P'_{g,F'}$	0.4839
$P_{i,h}$	0.7763	$P'_{i,h}$	0.7697

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0254	$\Delta P_{C,s}$	0.0110
$\Delta P_{F,e}$	-0.0027	$\Delta P_{g,F}$	-0.0088

着色度 Color Code

λ_{80}/λ_5	365/270
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	663
T_s (℃)	690
$T_{10}^{14.5}$ (℃)	618
T_{10}^{13} (℃)	646
$T_{10}^{7.6}$(℃)	736
$\alpha_{-30/70℃}$(10^{-7}/K)	55
$\alpha_{100/300℃}$(10^{-7}/K)	73
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	0.778	0.605
2200	0.932	0.868
2000	0.977	0.955
1800	0.991	0.983
1600	0.996	0.993
1400	0.996	0.993
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	0.996	0.993
600	0.998	0.996
550	0.998	0.996
500	0.998	0.996
480	0.997	0.994
460	0.996	0.992
440	0.993	0.987
420	0.992	0.984
400	0.988	0.977
390	0.984	0.969
380	0.978	0.956
370	0.963	0.928
360	0.940	0.884
350	0.903	0.815
340	0.844	0.712
330	0.764	0.583
320	0.663	0.440
310	0.553	0.306
300	0.445	0.198
290	0.349	0.122
280	0.266	0.071

机械性质 Mechanical Properties

H_K (10^7Pa)	703
F_A	104
E (10^7Pa)	11515
G (10^7Pa)	4529
μ	0.271
B (10^{-12}/Pa)	1.49

其他性质 Other Properties

ρ (g/cm^3)	3.74

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	2.8	3.2	3.4	3.6	3.9	4.0
-40～-20	2.7	2.9	3.1	3.3	3.6	4.0
-20～0	2.7	3.0	3.2	3.4	3.7	4.0
0～20	2.8	3.0	3.3	3.5	3.8	4.2
20～40	3.0	3.3	3.5	3.6	4.1	4.5
40～60	3.0	3.5	3.7	3.9	4.4	4.7
60～80	3.2	3.8	3.9	4.1	4.7	4.9
80～100	3.3	4.0	4.1	4.4	4.8	5.2
100～120	3.4	4.1	4.2	4.5	5.0	5.5
120～140	3.5	4.1	4.3	4.6	5.0	5.7

CDGM