H-ZLaF89L	954323	n_d = 1.953750	υ_d = 32.31	$n_F - n_C$ = 0.029520
		n_e = 1.960736	υ_e = 32.07	$n_{F'} - n_{C'}$ = 0.029953

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.897018
$n_{1970.09}$	1970.09	1.904150
$n_{1529.58}$	1529.58	1.912393
$n_{1060.0}$	1060.0	1.923039
n_t	1013.98	1.924483
n_s	852.11	1.930997
n_r	706.52	1.940406
n_C	656.27	1.945136
$n_{C'}$	643.85	1.946483
n_{He-Ne}	632.8	1.947750
n_D	589.29	1.953493
n_d	587.56	1.953750
n_e	546.07	1.960736
n_F	486.13	1.974656
$n_{F'}$	479.99	1.976436
n_g	435.83	1.992091
n_h	404.66	2.007363
n_i	365.01	2.035375
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	2.33250033E+00
L_1	1.27519393E-02
K_2	3.38027439E-01
L_2	5.35631807E-02
K_3	1.63568735E+00
L_3	1.14949418E+02

折射率温度系数常数 Constants of dn/dt

D_0	-5.79E-07
D_1	1.36E-08
D_2	-1.97E-11
E_0	9.06E-07
E_1	8.65E-10
λ_{TK}(μm)	0.261

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2207	$P'_{s,t}$	0.2175
$P_{C,s}$	0.4790	$P'_{C',s}$	0.5170
$P_{d,C}$	0.2918	$P'_{d,C'}$	0.2426
$P_{e,d}$	0.2367	$P'_{e,d}$	0.2332
$P_{g,F}$	0.5906	$P'_{g,F'}$	0.5227
$P_{i,h}$	0.9489	$P'_{i,h}$	0.9352

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0012	$\Delta P_{C,s}$	0.0009
$\Delta P_{F,e}$	-0.0004	$\Delta P_{g,F}$	-0.0001

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	405/360

热性质 Thermal Properties

T_g (℃)	708
T_s (℃)	745
$T_{10}^{14.5}$ (℃)	649
T_{10}^{13} (℃)	685
$T_{10}^{7.6}$(℃)	800
$\alpha_{-30/70℃}$(10^{-7}/K)	72
$\alpha_{100/300℃}$(10^{-7}/K)	88
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.926	0.858
2200	0.978	0.956
2000	0.991	0.981
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	0.994
550	0.996	0.993
500	0.992	0.984
480	0.988	0.977
460	0.983	0.967
440	0.975	0.951
420	0.960	0.922
400	0.926	0.857
390	0.889	0.791
380	0.823	0.678
370	0.694	0.481
360	0.435	0.189
350	0.141	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	1.6	2.8	3.1	3.8	4.7	6.2
-40～-20	1.7	2.9	3.3	3.9	4.9	6.3
-20～0	1.8	3.0	3.5	3.9	5.2	6.5
0～20	2.0	3.1	3.7	4.0	5.3	6.6
20～40	2.2	3.4	3.9	4.2	5.6	7.0
40～60	2.3	3.6	4.2	4.7	6.1	7.6
60～80	2.5	3.9	4.4	5.0	6.4	7.9
80～100	2.6	4.0	4.5	5.2	6.7	8.3
100～120	2.7	4.3	4.7	5.4	7.0	8.7
120～140	2.8	4.4	5.0	5.6	7.3	8.9

机械性质 Mechanical Properties

H_K (10^7Pa)	698
F_A	107
E (10^7Pa)	13043
G (10^7Pa)	4998
μ	0.305
B (10^{-12}/Pa)	0.93

其他性质 Other Properties

ρ (g/cm^3)	5.10

备注 Remarks

CDGM