H-ZLaF89LA	954323	n_d = 1.953750	υ_d = 32.28	$n_F - n_C$ = 0.029550
		n_e = 1.960743	υ_e = 32.04	$n_{F'} - n_{C'}$ = 0.029983

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.896973
$n_{1970.09}$	1970.09	1.904093
$n_{1529.58}$	1529.58	1.912338
$n_{1060.0}$	1060.0	1.922999
n_t	1013.98	1.924446
n_s	852.11	1.930969
n_r	706.52	1.940391
n_C	656.27	1.945126
$n_{C'}$	643.85	1.946475
n_{He-Ne}	632.8	1.947743
n_D	589.29	1.953492
n_d	587.56	1.953750
n_e	546.07	1.960743
n_F	486.13	1.974676
$n_{F'}$	479.99	1.976458
n_g	435.83	1.992128
n_h	404.66	2.007416
n_i	365.01	2.035469
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	3.27389992E-01
L_1	5.40655051E-02
K_2	2.34297817E+00
L_2	1.28967360E-02
K_3	1.76955342E+00
L_3	1.23881024E+02

折射率温度系数常数 Constants of dn/dt

D_0	-1.10E-06
D_1	1.42E-08
D_2	-3.42E-11
E_0	9.46E-07
E_1	9.42E-10
λ_{TK}(μm)	0.250

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2207	$P'_{s,t}$	0.2176
$P_{C,s}$	0.4791	$P'_{C',s}$	0.5172
$P_{d,C}$	0.2918	$P'_{d,C'}$	0.2426
$P_{e,d}$	0.2366	$P'_{e,d}$	0.2332
$P_{g,F}$	0.5906	$P'_{g,F'}$	0.5226
$P_{i,h}$	0.9493	$P'_{i,h}$	0.9356

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0015	$\Delta P_{C,s}$	0.0011
$\Delta P_{F,e}$	-0.0004	$\Delta P_{g,F}$	-0.0001

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	405/355

热性质 Thermal Properties

T_g (℃)	733
T_s (℃)	760
$T_{10}^{14.5}$ (℃)	680
T_{10}^{13} (℃)	712
$T_{10}^{7.6}$(℃)	817
$\alpha_{-30/70℃}$(10^{-7}/K)	71
$\alpha_{100/300℃}$(10^{-7}/K)	89
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.936	0.876
2200	0.982	0.964
2000	0.992	0.985
1800	0.998	0.996
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	0.999	0.998
650	0.998	0.997
600	0.996	0.993
550	0.995	0.991
500	0.990	0.981
480	0.986	0.973
460	0.981	0.962
440	0.972	0.944
420	0.956	0.913
400	0.915	0.838
390	0.875	0.766
380	0.800	0.640
370	0.647	0.418
360	0.354	0.125
350		
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	1.0	2.1	2.6	2.9	4.2	5.4
-40～-20	1.2	2.3	2.8	3.3	4.4	5.6
-20～0	1.4	2.6	3.2	3.5	4.7	6.1
0～20	1.7	3.0	3.4	3.7	5.0	6.5
20～40	1.8	3.1	3.6	4.0	5.3	6.8
40～60	2.0	3.2	3.8	4.3	5.6	7.1
60～80	2.1	3.5	4.0	4.6	6.2	7.5
80～100	2.2	3.6	4.2	4.8	6.4	7.9
100～120	2.2	3.7	4.4	4.9	6.5	8.1
120～140	2.3	3.9	4.5	5.0	6.5	8.4

机械性质 Mechanical Properties

H_K (10^7Pa)	717
F_A	107
E (10^7Pa)	12945
G (10^7Pa)	4961
μ	0.305
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	4.93

备注 Remarks

CDGM