H-ZLaF51	805396	n_d = 1.804500	υ_d = 39.64	$n_F - n_C$ = 0.020297
		n_e = 1.809317	υ_e = 39.38	$n_{F'} - n_{C'}$ = 0.020551

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.758458
$n_{1970.09}$	1970.09	1.765562
$n_{1529.58}$	1529.58	1.773351
$n_{1060.0}$	1060.0	1.782316
n_t	1013.98	1.783442
n_s	852.11	1.788347
n_r	706.52	1.795143
n_C	656.27	1.798488
$n_{C'}$	643.85	1.799434
n_{He-Ne}	632.8	1.800322
n_D	589.29	1.804322
n_d	587.56	1.804500
n_e	546.07	1.809317
n_F	486.13	1.818785
$n_{F'}$	479.99	1.819985
n_g	435.83	1.830420
n_h	404.66	1.840405
n_i	365.01	1.858185
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.22431136E+00
L_1	9.12451830E+01
K_2	3.02590305E-01
L_2	4.26067628E-02
K_3	1.86090715E+00
L_3	9.87031560E-03

折射率温度系数常数 Constants of dn/dt

D_0	7.97E-06
D_1	1.55E-08
D_2	-3.71E-11
E_0	7.79E-07
E_1	9.84E-10
λ_{TK}(μm)	0.233

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2417	$P'_{s,t}$	0.2387
$P_{C,s}$	0.4996	$P'_{C',s}$	0.5395
$P_{d,C}$	0.2962	$P'_{d,C'}$	0.2465
$P_{e,d}$	0.2373	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5732	$P'_{g,F'}$	0.5078
$P_{i,h}$	0.8760	$P'_{i,h}$	0.8652

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0083	$\Delta P_{C,s}$	0.0042
$\Delta P_{F,e}$	-0.0015	$\Delta P_{g,F}$	-0.0050

着色度 Color Code

λ_{80}/λ_5	410/345
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	601
T_s (℃)	631
$T_{10}^{14.5}$ (℃)	561
T_{10}^{13} (℃)	587
$T_{10}^{7.6}$(℃)	680
$\alpha_{-30/70℃}$(10^{-7}/K)	52
$\alpha_{100/300℃}$(10^{-7}/K)	68
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	0.858	0.737
2200	0.960	0.922
2000	0.985	0.970
1800	0.995	0.990
1600	0.998	0.996
1400	0.998	0.997
1200	0.999	0.999
1060	0.999	0.999
1000	0.999	0.999
950	0.999	0.999
900	0.999	0.999
850	0.999	0.999
800	0.998	0.997
700	0.998	0.997
650	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.997
480	0.996	0.993
460	0.996	0.993
440	0.991	0.982
420	0.985	0.970
400	0.971	0.943
390	0.953	0.910
380	0.930	0.860
370	0.866	0.750
360	0.730	0.530
350	0.450	0.200
340	0.140	0.020
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	6.0	7.1	7.5	7.9	8.6	9.4
-40～-20	6.4	7.5	7.7	8.1	8.9	9.6
-20～0	6.7	7.7	7.9	8.6	9.1	10.1
0～20	7.1	7.9	8.2	8.7	9.2	10.3
20～40	7.1	8.1	8.5	8.9	9.6	10.7
40～60	7.2	8.4	8.7	9.1	10.1	10.9
60～80	7.3	8.6	8.8	9.2	10.4	11.4
80～100	7.5	8.7	9.1	9.4	10.5	11.8
100～120	7.6	8.8	9.2	9.5	10.5	12.0
120～140	7.7	9.0	9.3	9.7	10.9	12.2

机械性质 Mechanical Properties

H_K (10^7Pa)	664
F_A	101
E (10^7Pa)	11142
G (10^7Pa)	4263
μ	0.307
B (10^{-12}/Pa)	2.23

其他性质 Other Properties

ρ (g/cm^3)	4.41

备注 Remarks

CDGM