H-ZLaF3	855366	n_d = 1.85544	υ_d = 36.59	$n_F - n_C$ = 0.023381
		n_e = 1.86099	υ_e = 36.34	$n_{F'} - n_{C'}$ = 0.023694

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	
$n_{1970.09}$	1970.09	
$n_{1529.58}$	1529.58	
$n_{1060.0}$	1060.0	
n_t	1013.98	1.83155
n_s	852.11	1.83703
n_r	706.52	1.84474
n_C	656.27	1.84856
$n_{C'}$	643.85	1.84964
n_{He-Ne}	632.8	1.85065
n_D	589.29	1.85524
n_d	587.56	1.85544
n_e	546.07	1.86099
n_F	486.13	1.87194
$n_{F'}$	479.99	1.87333
n_g	435.83	1.88546
n_h	404.66	1.89718
n_i	365.01	1.91836
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	3.3326061E+00
A_1	-1.4221730E-02
A_2	3.6629995E-02
A_3	1.0203791E-03
A_4	-3.1748127E-06
A_5	5.7655628E-06

折射率温度系数常数 Constants of dn/dt

D_0	3.10E-06
D_1	1.77E-08
D_2	-9.07E-11
E_0	8.88E-07
E_1	3.04E-10
λ_{TK}(μm)	0.222

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2344	$P'_{s,t}$	0.2313
$P_{C,s}$	0.4931	$P'_{C',s}$	0.5322
$P_{d,C}$	0.2943	$P'_{d,C'}$	0.2448
$P_{e,d}$	0.2373	$P'_{e,d}$	0.2342
$P_{g,F}$	0.5781	$P'_{g,F'}$	0.5118
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0089	$\Delta P_{C,s}$	0.0049
$\Delta P_{F,e}$	-0.0013	$\Delta P_{g,F}$	-0.0053

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	390/350

热性质 Thermal Properties

T_g (℃)	644
T_s (℃)	679
$T_{10}^{14.5}$ (℃)	616
T_{10}^{13} (℃)	644
$T_{10}^{7.6}$(℃)	735
$\alpha_{-30/70℃}$(10^{-7}/K)	60
$\alpha_{100/300℃}$(10^{-7}/K)	74
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	0.860	0.740
2200	0.962	0.926
2000	0.987	0.975
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	0.998	0.997
700	0.998	0.996
650	0.998	0.996
600	0.997	0.994
550	0.996	0.992
500	0.992	0.984
480	0.989	0.978
460	0.984	0.969
440	0.978	0.957
420	0.967	0.936
400	0.941	0.886
390	0.913	0.834
380	0.860	0.740
370	0.730	0.540
360	0.470	0.220
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	3.6	4.5	5.0	5.1	6.1	6.7
-20～0	3.7	4.9	5.2	5.6	6.4	7.9
0～20	4.0	4.9	6.0	6.2	7.1	8.0
20～40	4.4	5.3	5.8	6.2	7.3	8.3
40～60	4.6	5.7	5.9	6.2	7.3	8.6
60～80	4.4	5.9	6.2	6.9	7.4	8.6
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	681
F_A	98
E (10^7Pa)	12068
G (10^7Pa)	4663
μ	0.294
B (10^{-12}/Pa)	1.69

其他性质 Other Properties

ρ (g/cm^3)	4.50

备注 Remarks

CDGM