H-ZLaF69	816466	n_d = 1.816000	υ_d = 46.55	$n_F - n_C$ = 0.017530
		n_e = 1.820173	υ_e = 46.30	$n_{F'} - n_{C'}$ = 0.017714

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.773156
$n_{1970.09}$	1970.09	1.780148
$n_{1529.58}$	1529.58	1.787736
$n_{1060.0}$	1060.0	1.796213
n_t	1013.98	1.797250
n_s	852.11	1.801716
n_r	706.52	1.807789
n_C	656.27	1.810741
$n_{C'}$	643.85	1.811573
n_{He-Ne}	632.8	1.812352
n_D	589.29	1.815845
n_d	587.56	1.816000
n_e	546.07	1.820173
n_F	486.13	1.828271
$n_{F'}$	479.99	1.829287
n_g	435.83	1.838034
n_h	404.66	1.846239
n_i	365.01	1.860430
$n_{313.18}$	313.18	1.890130
$n_{302.15}$	302.15	1.899167

色散公式常数 Constants of Dispersion Formula

K_1	6.59414732E-01
L_1	2.56059960E-02
K_2	1.55675638E+00
L_2	7.27769577E-03
K_3	1.25417967E+00
L_3	9.31176682E+01

折射率温度系数常数 Constants of dn/dt

D_0	1.12E-06
D_1	1.52E-08
D_2	-3.71E-11
E_0	6.39E-07
E_1	4.90E-10
λ_{TK}(μm)	0.192

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2548	$P'_{s,t}$	0.2521
$P_{C,s}$	0.5148	$P'_{C',s}$	0.5565
$P_{d,C}$	0.3000	$P'_{d,C'}$	0.2499
$P_{e,d}$	0.2380	$P'_{e,d}$	0.2356
$P_{g,F}$	0.5569	$P'_{g,F'}$	0.4938
$P_{i,h}$	0.8095	$P'_{i,h}$	0.8011

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0040	$\Delta P_{C,s}$	0.0030
$\Delta P_{F,e}$	-0.0023	$\Delta P_{g,F}$	-0.0095

着色度 Color Code

λ_{80}/λ_5	380/305
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	720
T_s (℃)	747
$T_{10}^{14.5}$ (℃)	665
T_{10}^{13} (℃)	693
$T_{10}^{7.6}$(℃)	797
$\alpha_{-30/70℃}$(10^{-7}/K)	64
$\alpha_{100/300℃}$(10^{-7}/K)	78
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	2
CR	1
RC(S)	1
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.874	0.764
2200	0.967	0.936
2000	0.988	0.976
1800	0.996	0.993
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	0.999	0.998
600	0.999	0.998
550	0.998	0.997
500	0.998	0.996
480	0.997	0.995
460	0.996	0.993
440	0.995	0.990
420	0.993	0.986
400	0.988	0.977
390	0.985	0.970
380	0.978	0.956
370	0.965	0.931
360	0.942	0.888
350	0.910	0.828
340	0.862	0.743
330	0.796	0.634
320	0.709	0.502
310	0.514	0.264
300	0.438	0.192
290	0.281	0.079
280		

机械性质 Mechanical Properties

H_K (10^7Pa)	721
F_A	128
E (10^7Pa)	12469
G (10^7Pa)	4802
μ	0.298
B (10^{-12}/Pa)	1.22

其他性质 Other Properties

ρ (g/cm^3)	5.01

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	2.4	3.0	3.2	3.4	4.1	4.7
-40～-20	2.5	3.1	3.3	3.6	4.1	4.7
-20～0	2.6	3.1	3.4	3.6	4.1	4.8
0～20	2.6	3.2	3.5	3.7	4.3	5.0
20～40	2.9	3.7	3.8	4.3	4.7	5.4
40～60	2.9	3.7	3.9	4.3	5.0	5.4
60～80	3.1	3.8	4.1	4.3	5.1	5.5
80～100	3.2	4.0	4.3	4.4	5.1	5.8
100～120	3.2	4.0	4.4	4.5	5.2	6.1
120～140	3.3	4.1	4.5	4.7	5.3	6.3

CDGM