H-ZK11	639555	n_d = 1.638540	υ_d = 55.45	$n_F - n_C$ = 0.011516
		n_e = 1.641283	υ_e = 55.17	$n_{F'} - n_{C'}$ = 0.011623

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.606613
$n_{1970.09}$	1970.09	1.612421
$n_{1529.58}$	1529.58	1.618583
$n_{1060.0}$	1060.0	1.625046
n_t	1013.98	1.625796
n_s	852.11	1.628943
n_r	706.52	1.633079
n_C	656.27	1.635055
$n_{C'}$	643.85	1.635609
n_{He-Ne}	632.8	1.636126
n_D	589.29	1.638438
n_d	587.56	1.638540
n_e	546.07	1.641283
n_F	486.13	1.646571
$n_{F'}$	479.99	1.647232
n_g	435.83	1.652905
n_h	404.66	1.658210
n_i	365.01	1.667376
$n_{313.18}$	313.18	1.686767
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	5.34615460E-02
L_1	4.56429986E-02
K_2	1.58378230E+00
L_2	9.12260162E-03
K_3	9.18196297E-01
L_3	8.93234474E+01

折射率温度系数常数 Constants of dn/dt

D_0	-1.64E-06
D_1	1.58E-08
D_2	-3.17E-11
E_0	4.74E-07
E_1	3.85E-10
λ_{TK}(μm)	0.203

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2733	$P'_{s,t}$	0.2708
$P_{C,s}$	0.5307	$P'_{C',s}$	0.5735
$P_{d,C}$	0.3026	$P'_{d,C'}$	0.2522
$P_{e,d}$	0.2382	$P'_{e,d}$	0.2360
$P_{g,F}$	0.5500	$P'_{g,F'}$	0.4881
$P_{i,h}$	0.7959	$P'_{i,h}$	0.7886

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0035	$\Delta P_{C,s}$	-0.0021
$\Delta P_{F,e}$	-0.0002	$\Delta P_{g,F}$	-0.0013

着色度 Color Code

λ_{80}/λ_5	370/330
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	655
T_s (℃)	697
$T_{10}^{14.5}$ (℃)	601
T_{10}^{13} (℃)	636
$T_{10}^{7.6}$(℃)	758
$\alpha_{-30/70℃}$(10^{-7}/K)	69
$\alpha_{100/300℃}$(10^{-7}/K)	82
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
D_A	4
CR	3
RC(S)	1
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.875	0.765
2200	0.939	0.882
2000	0.979	0.959
1800	0.990	0.979
1600	0.996	0.991
1400	0.994	0.988
1200	0.998	0.997
1060	0.998	0.997
1000	0.998	0.997
950	0.998	0.997
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	0.995
550	0.998	0.996
500	0.997	0.995
480	0.997	0.994
460	0.996	0.992
440	0.995	0.990
420	0.994	0.989
400	0.989	0.979
390	0.983	0.966
380	0.972	0.945
370	0.947	0.896
360	0.889	0.790
350	0.762	0.580
340	0.500	0.250
330	0.182	0.033
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	1.1	0.8	1.1	1.2	1.6	1.8
-40～-20	0.6	0.9	1.2	1.3	1.6	2.0
-20～0	0.7	1.0	1.4	1.4	1.8	2.2
0～20	0.9	1.4	1.5	1.5	1.8	2.3
20～40	0.9	1.4	1.5	1.7	1.9	2.5
40～60	0.9	1.6	1.6	2.0	2.1	2.6
60～80	1.3	1.8	1.9	2.1	2.6	2.9
80～100	1.4	1.8	1.9	2.1	2.6	2.9
100～120	1.4	1.8	2.0	2.2	2.6	3.0
120～140	1.5	1.9	2.1	2.2	2.7	3.1

机械性质 Mechanical Properties

H_K (10^7Pa)	512
F_A	165
E (10^7Pa)	8711
G (10^7Pa)	3423
μ	0.272
B (10^{-12}/Pa)	1.79

其他性质 Other Properties

ρ (g/cm^3)	3.69

备注 Remarks

CDGM