H-ZK3	589613	n_d = 1.589130	υ_d = 61.25	$n_F - n_C$ = 0.009618
		n_e = 1.591425	υ_e = 61.01	$n_{F'} - n_{C'}$ = 0.009694

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.559583
$n_{1970.09}$	1970.09	1.565349
$n_{1529.58}$	1529.58	1.571386
$n_{1060.0}$	1060.0	1.577466
n_t	1013.98	1.578145
n_s	852.11	1.580939
n_r	706.52	1.584511
n_C	656.27	1.586192
$n_{C'}$	643.85	1.586661
n_{He-Ne}	632.8	1.587098
n_D	589.29	1.589044
n_d	587.56	1.589130
n_e	546.07	1.591425
n_F	486.13	1.595810
$n_{F'}$	479.99	1.596355
n_g	435.83	1.601001
n_h	404.66	1.605296
n_i	365.01	1.612586
$n_{313.18}$	313.18	1.627306
$n_{302.15}$	302.15	1.631642

色散公式常数 Constants of Dispersion Formula

K_1	8.55678320E-01
L_1	4.41734284E-03
K_2	8.97778708E-01
L_2	8.96045798E+01
K_3	6.31730586E-01
L_3	1.58041790E-02

折射率温度系数常数 Constants of dn/dt

D_0	2.45E-06
D_1	1.77E-08
D_2	-3.70E-11
E_0	4.28E-07
E_1	6.83E-10
λ_{TK}(μm)	0.155

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2905	$P'_{s,t}$	0.2882
$P_{C,s}$	0.5462	$P'_{C',s}$	0.5903
$P_{d,C}$	0.3055	$P'_{d,C'}$	0.2547
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2367
$P_{g,F}$	0.5397	$P'_{g,F'}$	0.4793
$P_{i,h}$	0.7580	$P'_{i,h}$	0.7520

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0018	$\Delta P_{C,s}$	-0.0004
$\Delta P_{F,e}$	-0.0003	$\Delta P_{g,F}$	-0.0017

着色度 Color Code

λ_{80}/λ_5	340/280
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	610
T_s (℃)	660
$T_{10}^{14.5}$ (℃)	569
T_{10}^{13} (℃)	606
$T_{10}^{7.6}$(℃)	743
$\alpha_{-30/70℃}$(10^{-7}/K)	52
$\alpha_{100/300℃}$(10^{-7}/K)	71
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
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	0.892	0.796
2200	0.936	0.876
2000	0.983	0.966
1800	0.992	0.983
1600	0.996	0.993
1400	0.992	0.983
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	0.998	0.997
550	0.998	0.996
500	0.998	0.996
480	0.997	0.995
460	0.997	0.995
440	0.997	0.995
420	0.997	0.995
400	0.997	0.995
390	0.996	0.993
380	0.995	0.991
370	0.993	0.986
360	0.988	0.977
350	0.978	0.957
340	0.958	0.918
330	0.925	0.856
320	0.867	0.752
310	0.780	0.608
300	0.647	0.418
290	0.484	0.234
280	0.316	0.100

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	2.5	2.7	2.9	3.0	3.1	3.4
-40～-20	2.6	2.7	3.0	3.1	3.2	3.5
-20～0	2.6	2.8	3.1	3.2	3.3	3.7
0～20	2.7	3.0	3.2	3.3	3.5	3.8
20～40	2.9	3.3	3.3	3.5	3.7	4.1
40～60	3.1	3.5	3.5	3.8	4.1	4.4
60～80	3.2	3.6	3.7	4.0	4.2	4.5
80～100	3.2	3.6	3.8	4.0	4.3	4.5
100～120	3.3	3.8	4.0	4.1	4.5	4.7
120～140	3.4	3.9	4.1	4.3	4.6	4.9

机械性质 Mechanical Properties

H_K (10^7Pa)	615
F_A	113
E (10^7Pa)	8495
G (10^7Pa)	3392
μ	0.252
B (10^{-12}/Pa)	2.06

其他性质 Other Properties

ρ (g/cm^3)	3.26

备注 Remarks

CDGM