H-ZK3A	589613	n_d = 1.589130	υ_d = 61.25	$n_F - n_C$ = 0.009618
		n_e = 1.591424	υ_e = 61.01	$n_{F'} - n_{C'}$ = 0.009694

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.559432
$n_{1970.09}$	1970.09	1.565241
$n_{1529.58}$	1529.58	1.571330
$n_{1060.0}$	1060.0	1.577452
n_t	1013.98	1.578134
n_s	852.11	1.580936
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	1.591424
n_F	486.13	1.595810
$n_{F'}$	479.99	1.596355
n_g	435.83	1.601005
n_h	404.66	1.605305
n_i	365.01	1.612610
$n_{313.18}$	313.18	1.627379
$n_{302.15}$	302.15	1.631734

色散公式常数 Constants of Dispersion Formula

K_1	9.64352845E-01
L_1	9.48895042E+01
K_2	7.74899660E-01
L_2	1.49854130E-02
K_3	7.12663198E-01
L_3	2.94423381E-03

折射率温度系数常数 Constants of dn/dt

D_0	2.05E-06
D_1	1.93E-08
D_2	-2.79E-11
E_0	4.34E-07
E_1	4.29E-11
λ_{TK}(μm)	0.165

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2913	$P'_{s,t}$	0.2890
$P_{C,s}$	0.5465	$P'_{C',s}$	0.5906
$P_{d,C}$	0.3055	$P'_{d,C'}$	0.2547
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2366
$P_{g,F}$	0.5401	$P'_{g,F'}$	0.4797
$P_{i,h}$	0.7595	$P'_{i,h}$	0.7536

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0029	$\Delta P_{C,s}$	-0.0001
$\Delta P_{F,e}$	-0.0002	$\Delta P_{g,F}$	-0.0013

着色度 Color Code

λ_{80}/λ_5	350/290
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	678
T_s (℃)	713
$T_{10}^{14.5}$ (℃)	619
T_{10}^{13} (℃)	653
$T_{10}^{7.6}$(℃)	788
$\alpha_{-30/70℃}$(10^{-7}/K)	55
$\alpha_{100/300℃}$(10^{-7}/K)	68
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.890	0.791
2200	0.940	0.884
2000	0.985	0.969
1800	0.992	0.985
1600	0.996	0.992
1400	0.991	0.982
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	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.996
480	0.997	0.995
460	0.997	0.994
440	0.995	0.991
420	0.995	0.991
400	0.994	0.989
390	0.992	0.984
380	0.990	0.980
370	0.983	0.967
360	0.971	0.943
350	0.947	0.896
340	0.903	0.815
330	0.832	0.692
320	0.717	0.514
310	0.553	0.306
300	0.358	0.128
290	0.187	0.035
280	0.148	0.022

机械性质 Mechanical Properties

H_K (10^7Pa)	556
F_A	112
E (10^7Pa)	8380
G (10^7Pa)	3341
μ	0.254
B (10^{-12}/Pa)	2.07

其他性质 Other Properties

ρ (g/cm^3)	3.31

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	2.2	2.6	2.8	2.9	3.1	3.3
-40～-20	2.3	2.7	2.8	3.0	3.1	3.5
-20～0	2.3	2.8	2.9	3.0	3.3	3.6
0～20	2.5	2.9	3.0	3.2	3.5	3.7
20～40	2.7	3.1	3.2	3.4	3.6	3.9
40～60	2.9	3.2	3.3	3.6	3.8	4.1
60～80	3.1	3.4	3.5	3.7	3.9	4.2
80～100	3.3	3.5	3.7	3.8	4.1	4.4
100～120	3.3	3.7	3.8	3.9	4.4	4.6
120～140	3.4	3.9	4.0	4.0	4.5	4.8

CDGM