H-ZK21	623581	n_d = 1.622990	υ_d = 58.12	$n_F - n_C$ = 0.010719
		n_e = 1.625546	υ_e = 57.86	$n_{F'} - n_{C'}$ = 0.010811

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.591762
$n_{1970.09}$	1970.09	1.597624
$n_{1529.58}$	1529.58	1.603827
$n_{1060.0}$	1060.0	1.610214
n_t	1013.98	1.610941
n_s	852.11	1.613961
n_r	706.52	1.617875
n_C	656.27	1.619731
$n_{C'}$	643.85	1.620250
n_{He-Ne}	632.8	1.620734
n_D	589.29	1.622895
n_d	587.56	1.622990
n_e	546.07	1.625546
n_F	486.13	1.630450
$n_{F'}$	479.99	1.631061
n_g	435.83	1.636285
n_h	404.66	1.641133
n_i	365.01	1.649406
$n_{313.18}$	313.18	1.666268
$n_{302.15}$	302.15	1.671276

色散公式常数 Constants of Dispersion Formula

K_1	8.94248925E-01
L_1	3.84521718E-03
K_2	6.96413489E-01
L_2	1.74130132E-02
K_3	1.07122355E+00
L_3	1.02205952E+02

折射率温度系数常数 Constants of dn/dt

D_0	8.71E-07
D_1	1.71E-08
D_2	-8.72E-11
E_0	4.27E-07
E_1	-7.80E-10
λ_{TK}(μm)	0.222

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2817	$P'_{s,t}$	0.2793
$P_{C,s}$	0.5383	$P'_{C',s}$	0.5817
$P_{d,C}$	0.3040	$P'_{d,C'}$	0.2534
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2364
$P_{g,F}$	0.5444	$P'_{g,F'}$	0.4832
$P_{i,h}$	0.7718	$P'_{i,h}$	0.7652

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0001	$\Delta P_{C,s}$	-0.0009
$\Delta P_{F,e}$	-0.0005	$\Delta P_{g,F}$	-0.0024

着色度 Color Code

λ_{80}/λ_5	350/300
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	646
T_s (℃)	692
$T_{10}^{14.5}$ (℃)	590
T_{10}^{13} (℃)	630
$T_{10}^{7.6}$(℃)	770
$\alpha_{-30/70℃}$(10^{-7}/K)	62
$\alpha_{100/300℃}$(10^{-7}/K)	75
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.848	0.719
2200	0.913	0.834
2000	0.973	0.947
1800	0.986	0.972
1600	0.994	0.987
1400	0.990	0.979
1200	0.998	0.996
1060	0.998	0.996
1000	0.998	0.996
950	0.998	0.996
900	0.998	0.997
850	0.998	0.997
800	0.998	0.996
700	0.997	0.995
650	0.997	0.995
600	0.997	0.994
550	0.997	0.994
500	0.997	0.994
480	0.997	0.994
460	0.997	0.994
440	0.995	0.991
420	0.995	0.990
400	0.993	0.986
390	0.990	0.980
380	0.985	0.971
370	0.974	0.949
360	0.954	0.911
350	0.917	0.840
340	0.849	0.720
330	0.740	0.548
320	0.572	0.327
310	0.352	0.124
300	0.158	0.025
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	1.8	2.1	2.2	2.7	3.0	3.3
-20～0	1.8	2.0	2.3	2.6	2.8	3.2
0～20	2.0	2.7	2.9	3.0	3.2	3.6
20～40	2.3	2.4	2.6	2.7	3.2	3.5
40～60	2.2	2.5	2.7	2.9	3.1	3.7
60～80	2.4	2.5	2.6	2.9	3.0	3.6
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	581
F_A	134
E (10^7Pa)	10086
G (10^7Pa)	4073
μ	0.238
B (10^{-12}/Pa)	1.98

其他性质 Other Properties

ρ (g/cm^3)	3.56

备注 Remarks

CDGM