K4A	508611	n_d = 1.508020	υ_d = 61.05	$n_F - n_C$ = 0.008321
		n_e = 1.510004	υ_e = 60.84	$n_{F'} - n_{C'}$ = 0.008383

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.479507
$n_{1970.09}$	1970.09	1.485482
$n_{1529.58}$	1529.58	1.491663
$n_{1060.0}$	1060.0	1.497626
n_t	1013.98	1.498264
n_s	852.11	1.500826
n_r	706.52	1.503998
n_C	656.27	1.505468
$n_{C'}$	643.85	1.505877
n_{He-Ne}	632.8	1.506257
n_D	589.29	1.507946
n_d	587.56	1.508020
n_e	546.07	1.510004
n_F	486.13	1.513789
$n_{F'}$	479.99	1.514260
n_g	435.83	1.518273
n_h	404.66	1.521989
n_i	365.01	1.528322
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	7.49532263E-01
L_1	1.48033503E-02
K_2	4.94866234E-01
L_2	-2.64092219E-04
K_3	9.60168660E-01
L_3	9.57190154E+01

折射率温度系数常数 Constants of dn/dt

D_0	7.37E-06
D_1	2.20E-08
D_2	-6.81E-12
E_0	4.56E-07
E_1	4.32E-10
λ_{TK}(μm)	0.199

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3079	$P'_{s,t}$	0.3056
$P_{C,s}$	0.5579	$P'_{C',s}$	0.6025
$P_{d,C}$	0.3067	$P'_{d,C'}$	0.2556
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2367
$P_{g,F}$	0.5389	$P'_{g,F'}$	0.4787
$P_{i,h}$	0.7611	$P'_{i,h}$	0.7555

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0318	$\Delta P_{C,s}$	0.0118
$\Delta P_{F,e}$	-0.0015	$\Delta P_{g,F}$	-0.0028

着色度 Color Code

λ_{80}/λ_5	355/320
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	552
T_s (℃)	624
$T_{10}^{14.5}$ (℃)	497
T_{10}^{13} (℃)	541
$T_{10}^{7.6}$(℃)	733
$\alpha_{-30/70℃}$(10^{-7}/K)	47
$\alpha_{100/300℃}$(10^{-7}/K)	52
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	0.870	0.760
2200	0.934	0.872
2000	0.985	0.970
1800	0.997	0.994
1600	0.997	0.995
1400	0.989	0.978
1200	0.999	0.998
1060	0.998	0.997
1000	0.998	0.997
950	0.998	0.997
900	0.998	0.997
850	0.998	0.997
800	0.998	0.996
700	0.998	0.996
650	0.998	0.996
600	0.997	0.995
550	0.997	0.995
500	0.997	0.993
480	0.996	0.992
460	0.996	0.991
440	0.995	0.989
420	0.994	0.987
400	0.992	0.984
390	0.988	0.977
380	0.980	0.961
370	0.970	0.940
360	0.940	0.890
350	0.880	0.780
340	0.760	0.570
330	0.500	0.250
320	0.170	0.030
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						
-40～-20	4.4	4.6	4.9	5.2	5.3	5.5
-20～0	4.4	4.7	4.9	5.2	5.3	5.5
0～20	4.6	4.7	4.9	5.2	5.5	5.8
20～40	4.8	5.1	5.3	5.5	5.7	6.1
40～60	4.9	5.3	5.6	5.7	5.9	6.3
60～80	5.0	5.5	5.6	5.9	6.2	6.4
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	524
F_A	65
E (10^7Pa)	6927
G (10^7Pa)	2843
μ	0.218
B (10^{-12}/Pa)	3.55

其他性质 Other Properties

ρ (g/cm^3)	2.43

备注 Remarks

CDGM