D-PK3	525704	n_d = 1.525000	υ_d = 70.37	$n_F - n_C$ = 0.007461
		n_e = 1.526781	υ_e = 70.16	$n_{F'} - n_{C'}$ = 0.007508

折射率 Refractive Index*

	λ（nm）	
$n_{2325.42}$	2325.42	1.498223
$n_{1970.09}$	1970.09	1.503952
$n_{1529.58}$	1529.58	1.509852
$n_{1060.0}$	1060.0	1.515482
n_t	1013.98	1.516077
n_s	852.11	1.518453
n_r	706.52	1.521359
n_C	656.27	1.522695
$n_{C'}$	643.85	1.523065
n_{He-Ne}	632.8	1.523410
n_D	589.29	1.524933
n_d	587.56	1.525000
n_e	546.07	1.526781
n_F	486.13	1.530156
$n_{F'}$	479.99	1.530573
n_g	435.83	1.534115
n_h	404.66	1.537368
n_i	365.01	1.542854
$n_{313.18}$	313.18	1.553807
$n_{302.15}$	302.15	1.557004

色散公式常数 Constants of Dispersion Formula

K_1	6.31688714E-01
L_1	1.27792227E-02
K_2	6.66896432E-01
L_2	3.13927857E-03
K_3	8.74644819E-01
L_3	9.01740670E+01

折射率温度系数常数 Constants of dn/dt

D_0	-3.49E-06
D_1	1.52E-08
D_2	-7.04E-11
E_0	4.13E-07
E_1	3.57E-10
λ_{TK}(μm)	0.131

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3185	$P'_{s,t}$	0.3165
$P_{C,s}$	0.5686	$P'_{C',s}$	0.6143
$P_{d,C}$	0.3089	$P'_{d,C'}$	0.2577
$P_{e,d}$	0.2387	$P'_{e,d}$	0.2372
$P_{g,F}$	0.5306	$P'_{g,F'}$	0.4718
$P_{i,h}$	0.7353	$P'_{i,h}$	0.7307

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0092	$\Delta P_{C,s}$	0.0004
$\Delta P_{F,e}$	0.0010	$\Delta P_{g,F}$	0.0048

着色度 Color Code

λ_{80}/λ_5	340/300
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	545
T_s (℃)	592
$T_{10}^{14.5}$ (℃)	493
T_{10}^{13} (℃)	529
$T_{10}^{7.6}$(℃)	648
$\alpha_{-30/70℃}$(10^{-7}/K)	81
$\alpha_{100/300℃}$(10^{-7}/K)	98
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.758	0.574
2200	0.810	0.656
2000	0.897	0.805
1800	0.945	0.892
1600	0.984	0.969
1400	0.998	0.997
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	0.998	0.996
650	0.998	0.996
600	0.998	0.996
550	0.998	0.996
500	0.996	0.992
480	0.994	0.989
460	0.994	0.988
440	0.994	0.988
420	0.994	0.988
400	0.994	0.988
390	0.993	0.986
380	0.990	0.980
370	0.984	0.969
360	0.975	0.950
350	0.956	0.913
340	0.916	0.839
330	0.833	0.693
320	0.686	0.471
310	0.469	0.220
300	0.235	0.055
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	-0.4	-0.1	0.1	0.2	0.3	0.5
-20～0	0.0	0.2	0.3	0.4	0.5	0.9
0～20	0.1	0.3	0.5	0.5	0.7	0.9
20～40	0.2	0.2	0.5	0.6	0.8	1.0
40～60	0.1	0.3	0.5	0.6	0.8	1.0
60～80	0.2	0.6	0.7	0.9	1.1	1.3
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	447
F_A	136
E (10^7Pa)	7071
G (10^7Pa)	2863
μ	0.235
B (10^{-12}/Pa)	2.22

其他性质 Other Properties

ρ (g/cm^3)	2.65

备注 Remarks

*:退火速率 anneal rate 4℃/h

CDGM