F5	624359	n_d = 1.62435	υ_d = 35.92	$n_F - n_C$ = 0.017380
		n_e = 1.62847	υ_e = 35.65	$n_{F'} - n_{C'}$ = 0.017631

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	
$n_{1970.09}$	1970.09	
$n_{1529.58}$	1529.58	
$n_{1060.0}$	1060.0	
n_t	1013.98	1.60682
n_s	852.11	1.61080
n_r	706.52	1.61645
n_C	656.27	1.61925
$n_{C'}$	643.85	1.62005
n_{He-Ne}	632.8	1.62080
n_D	589.29	1.62420
n_d	587.56	1.62435
n_e	546.07	1.62847
n_F	486.13	1.63663
$n_{F'}$	479.99	1.63768
n_g	435.83	1.64673
n_h	404.66	1.65550
n_i	365.01	1.67131
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	2.5683752E+00
A_1	-9.1404623E-03
A_2	2.2597964E-02
A_3	9.9985349E-04
A_4	-3.6633071E-05
A_5	4.9332480E-06

折射率温度系数常数 Constants of dn/dt

D_0	2.39E-06
D_1	1.01E-08
D_2	-5.90E-11
E_0	1.05E-06
E_1	2.13E-09
λ_{TK}(μm)	0.231

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2290	$P'_{s,t}$	0.2257
$P_{C,s}$	0.4862	$P'_{C',s}$	0.5246
$P_{d,C}$	0.2934	$P'_{d,C'}$	0.2439
$P_{e,d}$	0.2371	$P'_{e,d}$	0.2337
$P_{g,F}$	0.5812	$P'_{g,F'}$	0.5133
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0003	$\Delta P_{C,s}$	-0.0005
$\Delta P_{F,e}$	-0.0005	$\Delta P_{g,F}$	-0.0034

着色度 Color Code

λ_{80}/λ_5	360/320
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	430
T_s (℃)	473
$T_{10}^{14.5}$ (℃)	374
T_{10}^{13} (℃)	413
$T_{10}^{7.6}$(℃)	604
$\alpha_{-30/70℃}$(10^{-7}/K)	84
$\alpha_{100/300℃}$(10^{-7}/K)	100
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.914	0.836
2200	0.934	0.873
2000	0.968	0.937
1800	0.985	0.970
1600	0.998	0.997
1400	0.999	0.998
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	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.998	0.997
460	0.998	0.996
440	0.997	0.994
420	0.995	0.991
400	0.994	0.988
390	0.990	0.980
380	0.984	0.968
370	0.977	0.955
360	0.960	0.921
350	0.921	0.849
340	0.820	0.680
330	0.570	0.320
320	0.160	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	3.1	3.6	3.9	4.3	4.8	5.8
-20～0	3.1	3.9	4.2	4.8	5.3	6.4
0～20	3.2	4.2	4.5	4.8	5.9	6.7
20～40	3.1	4.2	4.5	4.8	6.1	6.9
40～60	2.9	4.2	4.5	4.9	6.2	7.3
60～80	3.5	4.9	5.1	5.3	6.4	7.3
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	380
F_A	81
E (10^7Pa)	5785
G (10^7Pa)	2360
μ	0.226
B (10^{-12}/Pa)	2.71

其他性质 Other Properties

ρ (g/cm^3)	3.64

备注 Remarks

CDGM