ZF3	717295	n_d = 1.71736	υ_d = 29.50	$n_F - n_C$ = 0.024317
		n_e = 1.72311	υ_e = 29.27	$n_{F'} - n_{C'}$ = 0.024703

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	1.69375
n_s	852.11	1.69892
n_r	706.52	1.70649
n_C	656.27	1.71032
$n_{C'}$	643.85	1.71142
n_{He-Ne}	632.8	1.71245
n_D	589.29	1.71715
n_d	587.56	1.71736
n_e	546.07	1.72311
n_F	486.13	1.73464
$n_{F'}$	479.99	1.73612
n_g	435.83	1.74915
n_h	404.66	1.76195
n_i	365.01	1.78568
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	2.8475852E+00
A_1	-1.0508828E-02
A_2	3.0945093E-02
A_3	2.1369640E-03
A_4	-1.3104012E-04
A_5	1.4242887E-05

折射率温度系数常数 Constants of dn/dt

D_0	3.61E-06
D_1	2.44E-08
D_2	-3.11E-10
E_0	1.38E-06
E_1	1.20E-09
λ_{TK}(μm)	0.261

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2126	$P'_{s,t}$	0.2093
$P_{C,s}$	0.4688	$P'_{C',s}$	0.5060
$P_{d,C}$	0.2894	$P'_{d,C'}$	0.2405
$P_{e,d}$	0.2364	$P'_{e,d}$	0.2327
$P_{g,F}$	0.5967	$P'_{g,F'}$	0.5275
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0038	$\Delta P_{C,s}$	-0.0027
$\Delta P_{F,e}$	0.0009	$\Delta P_{g,F}$	0.0012

着色度 Color Code

λ_{80}/λ_5	390/340
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	435
T_s (℃)	475
$T_{10}^{14.5}$ (℃)	418
T_{10}^{13} (℃)	440
$T_{10}^{7.6}$(℃)	574
$\alpha_{-30/70℃}$(10^{-7}/K)	83
$\alpha_{100/300℃}$(10^{-7}/K)	95
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.930	0.865
2200	0.955	0.912
2000	0.978	0.956
1800	0.985	0.970
1600	0.990	0.980
1400	0.999	0.998
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	0.999	0.998
800	0.999	0.998
700	0.999	0.999
650	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.997
480	0.996	0.993
460	0.994	0.988
440	0.992	0.984
420	0.985	0.970
400	0.969	0.939
390	0.950	0.900
380	0.920	0.840
370	0.860	0.740
360	0.720	0.520
350	0.420	0.180
340	0.070	0.010
330		
320		
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	3.0	3.5	3.7	4.9	6.3	7.1
-20～0	3.5	4.4	5.3	6.1	7.7	9.4
0～20	4.1	5.3	6.1	7.4	8.3	10.2
20～40	4.6	6.1	7.0	7.5	8.8	10.9
40～60	4.1	6.1	6.3	6.2	8.9	10.5
60～80	4.2	6.3	6.4	7.0	9.5	10.7
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	390
F_A	107
E (10^7Pa)	5460
G (10^7Pa)	2210
μ	0.235
B (10^{-12}/Pa)	1.73

其他性质 Other Properties

ρ (g/cm^3)	4.46

备注 Remarks

CDGM