ZF51	785261	n_d = 1.78470	υ_d = 26.08	$n_F - n_C$ = 0.030092
		n_e = 1.79180	υ_e = 25.87	$n_{F'} - n_{C'}$ = 0.030602

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	1.75614
n_s	852.11	1.76227
n_r	706.52	1.77137
n_C	656.27	1.77605
$n_{C'}$	643.85	1.77739
n_{He-Ne}	632.8	1.77866
n_D	589.29	1.78444
n_d	587.56	1.78470
n_e	546.07	1.79180
n_F	486.13	1.80614
$n_{F'}$	479.99	1.80800
n_g	435.83	1.82439
n_h	404.66	1.84067
n_i	365.01	
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	3.0618708E+00
A_1	-1.3873356E-02
A_2	3.2985222E-02
A_3	5.0714158E-03
A_4	-5.3860663E-04
A_5	4.3608925E-05

折射率温度系数常数 Constants of dn/dt

D_0	3.80E-06
D_1	2.76E-08
D_2	-6.03E-11
E_0	1.60E-06
E_1	1.02E-09
λ_{TK}(μm)	0.279

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2037	$P'_{s,t}$	0.2003
$P_{C,s}$	0.4579	$P'_{C',s}$	0.4941
$P_{d,C}$	0.2875	$P'_{d,C'}$	0.2388
$P_{e,d}$	0.2359	$P'_{e,d}$	0.2319
$P_{g,F}$	0.6065	$P'_{g,F'}$	0.5356
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0075	$\Delta P_{C,s}$	-0.0054
$\Delta P_{F,e}$	0.0013	$\Delta P_{g,F}$	0.0052

着色度 Color Code

λ_{80}/λ_5	420/360
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	416
T_s (℃)	450
$T_{10}^{14.5}$ (℃)	361
T_{10}^{13} (℃)	393
$T_{10}^{7.6}$(℃)	541
$\alpha_{-30/70℃}$(10^{-7}/K)	82
$\alpha_{100/300℃}$(10^{-7}/K)	102
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.955	0.912
2200	0.970	0.940
2000	0.984	0.969
1800	0.991	0.983
1600	0.997	0.995
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	0.998	0.997
700	0.998	0.996
650	0.997	0.994
600	0.997	0.994
550	0.996	0.993
500	0.993	0.987
480	0.990	0.981
460	0.986	0.972
440	0.978	0.957
420	0.961	0.923
400	0.910	0.829
390	0.850	0.730
380	0.760	0.580
370	0.570	0.330
360	0.260	0.070
350		
340		
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	3.5	5.6	6.0	6.6	8.3	11.3
-20～0	4.4	6.3	7.5	7.9	9.9	12.1
0～20	4.5	6.3	7.5	7.9	10.2	13.1
20～40	5.0	6.6	7.8	8.8	11.3	13.5
40～60	5.6	7.5	8.4	9.2	11.9	14.1
60～80	6.2	7.9	9.0	9.7	12.4	14.5
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	354
F_A	162
E (10^7Pa)	5596
G (10^7Pa)	2245
μ	0.247
B (10^{-12}/Pa)	0.92

其他性质 Other Properties

ρ (g/cm^3)	4.99

备注 Remarks

CDGM