ZF50	741278	n_d = 1.74077	υ_d = 27.76	$n_F - n_C$ = 0.026681
		n_e = 1.74706	υ_e = 27.55	$n_{F'} - n_{C'}$ = 0.027118

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	1.71513
n_s	852.11	1.72071
n_r	706.52	1.72889
n_C	656.27	1.73307
$n_{C'}$	643.85	1.73427
n_{He-Ne}	632.8	1.73540
n_D	589.29	1.74054
n_d	587.56	1.74077
n_e	546.07	1.74706
n_F	486.13	1.75975
$n_{F'}$	479.99	1.76139
n_g	435.83	1.77585
n_h	404.66	1.79021
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	2.9228084E+00
A_1	-1.3029549E-02
A_2	2.9540007E-02
A_3	4.1308365E-03
A_4	-4.4721542E-04
A_5	3.7137603E-05

折射率温度系数常数 Constants of dn/dt

D_0	3.66E-06
D_1	2.91E-08
D_2	-3.18E-10
E_0	1.58E-06
E_1	6.74E-10
λ_{TK}(μm)	0.244

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2091	$P'_{s,t}$	0.2058
$P_{C,s}$	0.4633	$P'_{C',s}$	0.5000
$P_{d,C}$	0.2886	$P'_{d,C'}$	0.2397
$P_{e,d}$	0.2358	$P'_{e,d}$	0.2320
$P_{g,F}$	0.6035	$P'_{g,F'}$	0.5333
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0047	$\Delta P_{C,s}$	-0.0041
$\Delta P_{F,e}$	0.0012	$\Delta P_{g,F}$	0.0050

着色度 Color Code

λ_{80}/λ_5	410/365
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	449
T_s (℃)	491
$T_{10}^{14.5}$ (℃)	388
T_{10}^{13} (℃)	426
$T_{10}^{7.6}$(℃)	
$\alpha_{-30/70℃}$(10^{-7}/K)	71
$\alpha_{100/300℃}$(10^{-7}/K)	87
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.948	0.898
2200	0.962	0.925
2000	0.982	0.965
1800	0.990	0.981
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	0.999	0.998
700	0.998	0.997
650	0.998	0.997
600	0.998	0.996
550	0.998	0.996
500	0.996	0.992
480	0.994	0.989
460	0.991	0.983
440	0.986	0.973
420	0.972	0.944
400	0.904	0.818
390	0.790	0.630
380	0.550	0.300
370	0.190	0.030
360		
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	-0.1	1.1	1.5	2.4	2.8	5.4
-20～0	2.0	3.0	3.9	4.3	6.9	7.7
0～20	2.8	4.7	5.0	6.0	7.6	9.3
20～40	3.0	5.0	5.5	6.3	7.8	10.1
40～60	3.3	5.1	5.8	6.3	7.8	10.1
60～80	4.0	5.7	6.3	6.9	8.4	10.5
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	375
F_A	131
E (10^7Pa)	5973
G (10^7Pa)	2411
μ	0.238
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	4.46

备注 Remarks

CDGM