ZF11	699301	n_d = 1.69895	υ_d = 30.07	$n_F - n_C$ = 0.023246
		n_e = 1.70445	υ_e = 29.84	$n_{F'} - n_{C'}$ = 0.023611

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	
n_s	852.11	
n_r	706.52	1.68853
n_C	656.27	1.69221
$n_{C'}$	643.85	1.69326
n_{He-Ne}	632.8	1.69425
n_D	589.29	1.69875
n_d	587.56	1.69895
n_e	546.07	1.70445
n_F	486.13	1.71546
$n_{F'}$	479.99	1.71687
n_g	435.83	1.72939
n_h	404.66	1.74174
n_i	365.01	1.76486
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

A_0	2.7906689E+00
A_1	-1.0644977E-02
A_2	2.9071854E-02
A_3	2.1286607E-03
A_4	-1.5815625E-04
A_5	1.7145247E-05

折射率温度系数常数 Constants of dn/dt

D_0	
D_1	
D_2	
E_0	
E_1	
λ_{TK}(μm)	

相对部分色散 Relative Partial Dispersions

$P_{s,t}$		$P'_{s,t}$	
$P_{C,s}$		$P'_{C',s}$	
$P_{d,C}$	0.2899	$P'_{d,C'}$	0.2409
$P_{e,d}$	0.2366	$P'_{e,d}$	0.2329
$P_{g,F}$	0.5993	$P'_{g,F'}$	0.5303
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$		$\Delta P_{C,s}$	
$\Delta P_{F,e}$	0.0006	$\Delta P_{g,F}$	0.0048

着色度 Color Code

λ_{80}/λ_5	410/370
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	467
T_s (℃)	519
$T_{10}^{14.5}$ (℃)	405
T_{10}^{13} (℃)	446
$T_{10}^{7.6}$(℃)	
$\alpha_{-30/70℃}$(10^{-7}/K)	73
$\alpha_{100/300℃}$(10^{-7}/K)	88
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.960	0.921
2200	0.967	0.935
2000	0.984	0.969
1800	0.991	0.982
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.998	0.997
900	0.998	0.997
850	0.997	0.995
800	0.997	0.994
700	0.996	0.993
650	0.995	0.991
600	0.995	0.990
550	0.995	0.990
500	0.992	0.985
480	0.990	0.980
460	0.987	0.975
440	0.983	0.967
420	0.973	0.946
400	0.918	0.843
390	0.820	0.680
380	0.620	0.380
370	0.260	0.070
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						
-20～0						
0～20						
20～40						
40～60						
60～80						
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	405
F_A	115
E (10^7Pa)	6079
G (10^7Pa)	2466
μ	0.232
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	4.06

备注 Remarks

CDGM