

ZF3	717295	$n_d = 1.71736$	$v_d = 29.50$	$n_F - n_c = 0.024317$
		$n_e = 1.72311$	$v_e = 29.27$	$n_{F'} - n_{c'} = 0.024703$

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.69375
n_r	706.5	1.70649
n_c	656.3	1.71032
$n_{c'}$	643.8	1.71142
n_{He-Ne}	632.8	1.71245
n_D	589.3	1.71715
n_d	587.6	1.71736
n_e	546.1	1.72311
n_F	486.1	1.73464
$n_{F'}$	480.0	1.73612
n_g	435.8	1.74915
n_h	404.7	1.76195
n_i	365.0	1.78568

Constants of Dispersion Formula	
	Formula
A_0	2.8475852
A_1	$-1.0508828 \times 10^{-2}$
A_2	3.0945093×10^{-2}
A_3	2.1369640×10^{-3}
A_4	$-1.3104012 \times 10^{-4}$
A_5	1.4242887×10^{-5}

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{F,e}$	0.0009
$\Delta P_{g,F}$	0.0012

Temperature Coefficients of Refractive Index						
Rang of Temperature	dn/dt relative($10^{-6}/^{\circ}C$)					
	t	C'	d	e	F'	g
-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

Relative Partial Dispersions			
$P_{d,c}$	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

Chemical Properties	
	Grade
RC(S)	1
RA(S)	2
D _W	1
D _A	2

Thermal Properties	
T_g ($^{\circ}C$)	435
T_s ($^{\circ}C$)	475
$T_{10}^{14.5}$ ($^{\circ}C$)	418
T_{10}^{13} ($^{\circ}C$)	440
$T_{10}^{7.6}$ ($^{\circ}C$)	574
$\alpha_{20/120^{\circ}C}$ ($10^{-7}/K$)	85
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	95
λ (W/m · K)	

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

Other Properties	
ρ (g/cm^3)	4.46

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
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	0.95	0.90
380	0.92	0.84
370	0.86	0.74
360	0.72	0.52
350	0.42	0.18
340	0.07	0.01
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	39/34