

<b>F2</b>	<b>613370</b>	$n_d = 1.61293$	$v_d = 36.96$	$n_F - n_c = 0.016582$
		$n_e = 1.61686$	$v_e = 36.70$	$n_{F'} - n_{c'} = 0.016806$

Refractive Indices		
	$\lambda$ (nm)	
$n_t$	1014.0	1.59614
$n_r$	706.5	1.60537
$n_c$	656.3	1.60805
$n_{c'}$	643.8	1.60882
$n_{He-Ne}$	632.8	1.60953
$n_D$	589.3	1.61278
$n_d$	587.6	1.61293
$n_e$	546.1	1.61686
$n_F$	486.1	1.62463
$n_{F'}$	480.0	1.62562
$n_g$	435.8	1.63427
$n_h$	404.7	1.64262
$n_i$	365.0	1.65768

Constants of Dispersion Formula	
$A_0$	2.5326598
$A_1$	$-7.7382535 \times 10^{-3}$
$A_2$	$2.3173143 \times 10^{-2}$
$A_3$	$4.0936286 \times 10^{-4}$
$A_4$	$3.7804683 \times 10^{-5}$
$A_5$	$1.0346435 \times 10^{-6}$

Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"	
$\Delta P_{F,e}$	-0.0006
$\Delta P_{g,F}$	-0.0014

Temperature Coefficients of Refractive Index						
Rang of Temperature	$dn/dt$ relative( $10^{-6}/^{\circ}C$ )					
	t	C'	d	e	F'	g
-40~-20	-0.6	0.6	0.8	1.1	1.6	2.5
-20~0	-0.1	0.6	0.8	1.2	2.2	2.8
0~20	-0.1	0.9	1.2	1.6	2.4	3.2
20~40	0.2	1.0	1.2	1.7	2.6	3.7
40~60	0.4	0.8	1.1	1.9	2.6	3.7
60~80	0.4	1.3	1.4	2.5	2.6	3.7

Relative Partial Dispersions			
$P_{d,c}$	0.2942	$P'_{d,c'}$	0.2448
$P_{e,d}$	0.2370	$P'_{e,d}$	0.2339
$P_{g,F}$	0.5814	$P'_{g,F'}$	0.5147

Chemical Properties	
	Grade
RC(S)	3
RA(S)	2
D <sub>W</sub>	2
D <sub>A</sub>	1

Thermal Properties	
$T_g$ ( $^{\circ}C$ )	400
$T_s$ ( $^{\circ}C$ )	450
$T_{10}^{14.5}$ ( $^{\circ}C$ )	410
$T_{10}^{13}$ ( $^{\circ}C$ )	435
$T_{10}^{7.6}$ ( $^{\circ}C$ )	
$\alpha_{20/120^{\circ}C}$ ( $10^{-7}/K$ )	105
$\alpha_{100/300^{\circ}C}$ ( $10^{-7}/K$ )	121
$\lambda$ (W/m · K)	

Mechanical Properties	
$H_K$ ( $10^7 Pa$ )	440
$F_A$	94
$E$ ( $10^7 Pa$ )	5740
$G$ ( $10^7 Pa$ )	2350
$\mu$	0.221
$B$ ( $10^{-12}/Pa$ )	

Other Properties	
$\rho$ ( $g/cm^3$ )	3.50

Internal Transmittance		
$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
2400	0.915	0.837
2200	0.940	0.884
2000	0.970	0.941
1800	0.982	0.964
1600	0.994	0.988
1400	0.998	0.997
1200	0.999	0.998
1060	0.999	0.999
1000	0.999	0.999
950	0.999	0.999
900	0.999	0.999
850	0.999	0.999
800	0.999	0.999
700	0.999	0.999
650	0.999	0.999
600	0.999	0.999
550	0.999	0.999
500	0.999	0.999
480	0.999	0.999
460	0.999	0.998
440	0.999	0.998
420	0.999	0.998
400	0.997	0.995
390	0.996	0.991
380	0.993	0.985
370	0.989	0.977
360	0.978	0.956
350	0.95	0.90
340	0.87	0.76
330	0.63	0.39
320	0.18	0.03
310	0.06	
300		
290		
280		

Coloration Code	
$\lambda_{80}/\lambda_5$	35/32