

D-LaF743		743493		$n_d = 1.74330$		$v_d = 49.33$		$n_F - n_C = 0.015069$				
				$n_e = 1.74689$		$v_e = 49.07$		$n_{F'} - n_{C'} = 0.015221$				
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)			Internal Transmittance			
	λ (nm)	n_λ		$P_{d,C}$	0.3013	RC (S)	1		λ (nm)	τ_{5mm}	τ_{10mm}	
n_{2325}	2325.42	1.70399		$P_{e,d}$	0.2382	RA (S)	3		2400	0.830	0.689	
n_{1970}	1970.09	1.71066		$P_{g,F}$	0.5521	D_W	1		2200	0.955	0.912	
n_{1530}	1529.58	1.71800		$P'_{d,c'}$	0.2510	D_A	3		2000	0.982	0.965	
n_{1129}	1128.64	1.72467		$P'_{e,d}$	0.2359	R_{OH} (S)	1		1800	0.994	0.989	
n_{1064}	1064.00	1.72590		$P'_{g,F'}$	0.4895	RP (S)	1		1600	0.998	0.996	
n_t	1013.98	1.72692								1400	0.998	0.996
n_s	852.11	1.73091								1200	0.999	0.998
$n_{A'}$	768.19	1.73366		Deviation of Relative Partial Dispersions			Expansion Coefficient			1060	0.999	0.998
n_r	706.52	1.73621		$\Delta P_{F,e}$	-0.0024	$^\circ C$	α		1000	0.999	0.998	
n_C	656.27	1.73876		$\Delta P_{g,F}$	-0.0095	-50/-40	50		950	0.999	0.998	
$n_{C'}$	643.85	1.73948		$\Delta P_{C,t}$	0.0066	-40/-30	53		900	0.999	0.998	
n_{He-Ne}	632.80	1.74016		$\Delta P_{C,s}$	0.0021	-30/-20	54		850	0.999	0.998	
n_D	589.29	1.74317		Thermal Properties						800	0.999	0.998
n_d	587.56	1.74330		Tg ($^\circ C$)	571	-20/-10	55		700	0.999	0.998	
n_e	546.07	1.74689		Ts ($^\circ C$)	603	-10/0	56		650	0.999	0.998	
n_F	486.13	1.75383		$T_{10}^{14.5}$ ($^\circ C$)	531	0/10	57		600	0.999	0.998	
$n_{F'}$	479.99	1.75470		T_{10}^{13} ($^\circ C$)	555	10/20	58		550	0.999	0.998	
n_g	435.84	1.76215		$\alpha_{.50/80^\circ C}$ ($10^{-7}/K$)	57	20/30	58		500	0.999	0.998	
n_h	404.66	1.76911		$\alpha_{100/300^\circ C}$ ($10^{-7}/K$)	74	30/40	59		480	0.998	0.997	
n_i	365.01	1.78110		λ (W/(m·K))	0.88	40/50	59		460	0.997	0.995	
				β_d	135	50/60	60		440	0.997	0.994	
Constants of Dispersion Formula							60/70	60		420	0.996	0.992
A_0	2.97441605E+00			Mechanical Properties			70/80	61		400	0.994	0.988
A_1	-1.38572738E-02			HK ($10^7 Pa$)	679		80/90	61		390	0.992	0.984
A_2	2.19649180E-02			F_A	113		90/100	62		380	0.988	0.977
A_3	8.10197466E-04			E (GPa)	111.3		100/110	63		370	0.982	0.965
A_4	-4.79702937E-05			G (GPa)	42.6		110/120	64		360	0.973	0.946
A_5	3.00170973E-06			μ	0.308		120/130	65		350	0.954	0.911
Density		4.23		σ_b (MPa)	87		130/140	66		340	0.930	0.865
ρ (g/cm ³)		4.23		B ($10^{-12}/Pa$)	2.17		140/150	68		330	0.892	0.795
							150/160	68		320	0.843	0.710
										310	0.723	0.523
										300	0.701	0.492
										290	0.628	0.394
										280	0.490	0.240
										Coloration Code		
										$\lambda_{80}(\lambda_{70})/\lambda_5$	365/280	
										Coloration of Internal Transmittance		
										$\lambda\tau_{80}/\lambda\tau_5$	331/262	
										Constants of dn/dt		
										D_0	D_1	D_2
										9.72E-06	1.25E-08	-2.05E-11
										E_0	E_1	λ_{TK}
										5.62E-07	5.06E-10	2.24E-01
Range of Temperature ($^\circ C$)		Temperature Coefficients of Refractive Index										
		dn/dt relative ($\times 10^{-6} / ^\circ C$)										
		t	s	C	C'	He-Ne	d	e	F	F'	g	
-60~-40		7.3	7.6	8.0	8.0	8.1	8.1	8.3	8.9	9.0	9.4	
-40~-20		7.3	7.6	8.1	8.1	8.2	8.2	8.5	9.1	9.2	9.5	
-20~0		7.4	7.7	8.1	8.1	8.2	8.3	8.5	9.2	9.3	9.7	
0~20		7.5	7.8	8.1	8.1	8.2	8.4	8.5	9.3	9.4	9.8	
20~40		7.6	7.8	8.1	8.2	8.2	8.5	8.7	9.3	9.5	9.9	
40~60		7.6	7.9	8.2	8.2	8.3	8.6	8.7	9.4	9.6	10.0	
60~80		7.7	7.9	8.3	8.4	8.4	8.8	8.9	9.6	9.7	10.2	
80~100		7.8	8.1	8.4	8.5	8.5	8.9	9.1	9.7	9.8	10.4	
100~120		7.9	8.2	8.4	8.5	8.6	9.1	9.3	9.9	10.0	10.6	
120~140		8.0	8.4	8.5	8.6	8.7	9.3	9.5	10.0	10.1	10.8	
140~160		8.1	8.5	8.6	8.7	8.8	9.4	9.6	10.2	10.2	10.9	