

D-LaF50		773495		$n_d = 1.77250$		$v_d = 49.50$		$n_F - n_C = 0.015605$		
				$n_e = 1.77622$		$v_e = 49.26$		$n_{F'} - n_{C'} = 0.015757$		
Refractive Indices			Relative Partial Dispersion		Chemical Properties (grade)			Internal Transmittance		
	λ (nm)	n_λ	$P_{d,C}$	0.3018	RC (S)	1		λ (nm)	τ_{5mm}	τ_{10mm}
n_{2325}	2325.42	1.73130	$P_{e,d}$	0.2384	RA (S)	3		2400	0.820	0.674
n_{1970}	1970.09	1.73834	$P_{g,F}$	0.5537	D_W	1		2200	0.955	0.914
n_{1530}	1529.58	1.74608	$P'_{d,c'}$	0.2513	D_A	3		2000	0.989	0.978
n_{1129}	1128.64	1.75309	$P'_{e,d}$	0.2361	R_{OH} (S)	1		1800	0.997	0.994
n_{1064}	1064.00	1.75438	$P'_{g,F'}$	0.4912	RP (S)	2		1600	0.999	0.998
n_t	1013.98	1.75545	Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)			1400	0.999	0.998
n_s	852.11	1.75961						$\Delta P_{F,e}$	-0.0028	$^\circ C$
$n_{A'}$	768.19	1.76248	$\Delta P_{g,F}$	-0.0077	-50/-40	58	1060	0.999	0.998	
n_r	706.52	1.76513	$\Delta P_{C,t}$	0.0108	-40/-30	60	1000	0.999	0.998	
n_C	656.27	1.76779	$\Delta P_{C,s}$	0.0050	-30/-20	61	950	0.999	0.998	
$n_{C'}$	643.85	1.76854	Thermal Properties		-20/-10	62	900	0.999	0.998	
n_{He-Ne}	632.80	1.76923			Tg ($^\circ C$)	633	-10/0	63	850	0.999
n_D	589.29	1.77236	Ts ($^\circ C$)	659	0/10	63	800	0.999	0.998	
n_d	587.56	1.77250	$T_{10}^{14.5}$ ($^\circ C$)	583	10/20	64	750	0.999	0.998	
n_e	546.07	1.77622	T_{10}^{13} ($^\circ C$)	617	20/30	64	700	0.999	0.998	
n_F	486.13	1.78340	$\alpha_{.50/80^\circ C}$ ($10^{-7}/K$)	65	30/40	64	650	0.999	0.998	
$n_{F'}$	479.99	1.78430	$\alpha_{100/300^\circ C}$ ($10^{-7}/K$)	75	40/50	65	600	0.999	0.998	
n_g	435.84	1.79204	λ (W/(m·K))	0.75	50/60	65	550	0.999	0.998	
n_h	404.66	1.79927	β_d	138	60/70	66	500	0.999	0.998	
n_i	365.01	1.81174	Mechanical Properties		70/80	66	480	0.998	0.996	
							80/90	67	460	0.997
Constants of Dispersion Formula			HK ($10^7 Pa$)	643	90/100	67	440	0.996	0.992	
A_0	3.07337625E+00		F_A	81	100/110	68	420	0.995	0.990	
A_1	-1.48574785E-02		E (GPa)	114.8	110/120	69	400	0.991	0.982	
A_2	2.34948451E-02		G (GPa)	43.4	120/130	70	390	0.987	0.976	
A_3	7.16989975E-04		μ	0.323	130/140	71	380	0.982	0.966	
A_4	-3.03961557E-05		σ_b (MPa)	88	140/150	72	370	0.973	0.950	
A_5	2.24464169E-06		B ($10^{-12}/Pa$)	1.70	150/160	73	360	0.952	0.920	
Density										
ρ (g/cm ³)	4.62		Solarization							
	$\Delta\lambda$ (%)	-1.8								
Temperature Coefficients of Refractive Index										
Range of Temperature ($^\circ C$)	dn/dt relative ($\times 10^{-6} / ^\circ C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60~-40	3.7	4.0	4.1	4.1	4.2	4.4	4.7	5.0	5.1	5.5
-40~-20	3.8	4.0	4.2	4.2	4.3	4.5	4.9	5.2	5.3	5.7
-20~0	3.8	4.1	4.2	4.2	4.3	4.8	5.0	5.5	5.6	6.0
0~20	3.9	4.1	4.3	4.4	4.4	4.8	5.2	5.6	5.6	6.1
20~40	4.0	4.2	4.4	4.4	4.4	4.8	5.2	5.8	5.8	6.3
40~60	4.0	4.3	4.6	4.6	4.6	4.9	5.6	6.0	6.0	6.4
60~80	4.1	4.4	4.6	4.7	4.7	5.1	5.7	6.0	6.1	6.5
80~100	4.2	4.5	4.7	4.8	4.9	5.3	5.9	6.1	6.2	6.6
100~120	4.3	4.6	4.8	4.9	5.0	5.5	6.0	6.3	6.4	6.9
120~140	4.5	4.7	5.0	5.1	5.2	5.6	6.2	6.6	6.7	7.3
140~160	4.6	4.8	5.2	5.2	5.3	5.7	6.3	6.7	6.8	7.4
Coloration Code										
$\lambda_{80}(\lambda_{70})/\lambda_5$								370/280		
Coloration of Internal Transmittance										
$\lambda\tau_{80}/\lambda\tau_5$								338/277		
Constants of dn/dt										
D_0			D_1			D_2				
3.11E-06			1.25E-08			-2.12E-11				
E_0			E_1			λ_{TK}				
6.29E-07			7.94E-10			1.96E-01				