

D-LaF50-170		774494		$n_d = 1.77420$		$v_d = 49.41$		$n_F - n_C = 0.015670$																																																																																																																																
				$n_e = 1.77793$		$v_e = 49.17$		$n_{F'} - n_{C'} = 0.015820$																																																																																																																																
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance																																																																																																																																
	λ (nm)	n_λ		$P_{d,C}$	0.3019	RC (S)	1	λ (nm)	τ_{5mm}	τ_{10mm}																																																																																																																														
n_{2325}	2325.42	1.73298		$P_{e,d}$	0.2380	RA (S)	2	2400	0.814	0.663																																																																																																																														
n_{1970}	1970.09	1.74004		$P_{g,F}$	0.5507	D_W	1	2200	0.949	0.900																																																																																																																														
n_{1530}	1529.58	1.74780		$P'_{d,c'}$	0.2516	D_A	3	2000	0.980	0.960																																																																																																																														
n_{1129}	1128.64	1.75479		$P'_{e,d}$	0.2358	R_{OH} (S)	1	1800	0.993	0.985																																																																																																																														
n_{1064}	1064.00	1.75608		$P'_{g,F'}$	0.4886	RP (S)	2	1600	0.996	0.992																																																																																																																														
n_t	1013.98	1.75714		Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1400	0.998	0.996																																																																																																																														
n_s	852.11	1.76129						$\Delta P_{F,e}$	-0.0028	$^\circ C$	α	1200	0.998	0.996																																																																																																																										
$n_{A'}$	768.19	1.76416		$\Delta P_{g,F}$	-0.0108	-50/-40	53	1060	0.998	0.996																																																																																																																														
n_r	706.52	1.76681		$\Delta P_{C,t}$	0.0073	-40/-30	54	1000	0.998	0.996																																																																																																																														
n_C	656.27	1.76947		$\Delta P_{C,s}$	0.0030	-30/-20	56	950	0.998	0.996																																																																																																																														
$n_{C'}$	643.85	1.77022		Thermal Properties		-20/-10	57	900	0.998	0.996																																																																																																																														
n_{He-Ne}	632.80	1.77092				Tg ($^\circ C$)	628	-10/0	58	850	0.998	0.996																																																																																																																												
n_D	589.29	1.77406		Ts ($^\circ C$)	662	0/10	58	800	0.998	0.996																																																																																																																														
n_d	587.56	1.77420		$T_{10}^{14.5}$ ($^\circ C$)	578	10/20	59	750	0.998	0.996																																																																																																																														
n_e	546.07	1.77793		T_{10}^{13} ($^\circ C$)	612	20/30	60	700	0.998	0.996																																																																																																																														
n_F	486.13	1.78514		$\alpha_{.50/80^\circ C}$ ($10^{-7}/K$)	60	30/40	61	650	0.998	0.996																																																																																																																														
$n_{F'}$	479.99	1.78604		$\alpha_{100/300^\circ C}$ ($10^{-7}/K$)	76	40/50	62	600	0.997	0.994																																																																																																																														
n_g	435.84	1.79377		λ (W/(m·K))	0.80	50/60	63	550	0.996	0.993																																																																																																																														
n_h	404.66	1.80098		β_d	138	60/70	64	500	0.995	0.990																																																																																																																														
n_i	365.01	1.81346		Mechanical Properties		70/80	65	480	0.994	0.989																																																																																																																														
						HK ($10^7 Pa$)	597	80/90	66	460	0.993	0.986																																																																																																																												
Constants of Dispersion Formula						E (GPa)	114.8	440	0.992	0.983																																																																																																																														
A_0	3.07996867E+00					G (GPa)	43.4	420	0.990	0.980																																																																																																																														
A_1	-1.49730363E-02					μ	0.323	400	0.987	0.974																																																																																																																														
A_2	2.26125445E-02					σ_b (MPa)	100	390	0.984	0.969																																																																																																																														
A_3	1.12810004E-03					B ($10^{-12}/Pa$)	1.52	380	0.979	0.959																																																																																																																														
A_4	-9.99130408E-05					Temperature Coefficients of Refractive Index dn/dt relative ($\times 10^{-6} / ^\circ C$)																																																																																																																																		
A_5	6.18705456E-06										t	s	C	C'	He-Ne	d	e	F	F'	g																																																																																																																				
Density		4.62		Solarization		$\Delta\lambda$ (%)		-2.4		<table border="1"> <tr> <td>-60~-40</td> <td>2.4</td> <td>2.8</td> <td>2.9</td> <td>2.9</td> <td>3.0</td> <td>3.2</td> <td>3.5</td> <td>3.9</td> <td>4.0</td> <td>4.7</td> </tr> <tr> <td>-40~-20</td> <td>2.4</td> <td>2.8</td> <td>2.9</td> <td>3.0</td> <td>3.1</td> <td>3.3</td> <td>3.7</td> <td>4.2</td> <td>4.3</td> <td>5.0</td> </tr> <tr> <td>-20~0</td> <td>2.5</td> <td>2.9</td> <td>3.0</td> <td>3.0</td> <td>3.2</td> <td>3.6</td> <td>4.0</td> <td>4.5</td> <td>4.6</td> <td>5.3</td> </tr> <tr> <td>0~20</td> <td>2.7</td> <td>2.9</td> <td>3.2</td> <td>3.2</td> <td>3.3</td> <td>3.8</td> <td>4.2</td> <td>4.9</td> <td>5.0</td> <td>5.7</td> </tr> <tr> <td>20~40</td> <td>2.8</td> <td>3.0</td> <td>3.4</td> <td>3.4</td> <td>3.5</td> <td>3.9</td> <td>4.5</td> <td>5.3</td> <td>5.4</td> <td>6.1</td> </tr> <tr> <td>40~60</td> <td>2.9</td> <td>3.1</td> <td>3.4</td> <td>3.5</td> <td>3.6</td> <td>4.0</td> <td>4.7</td> <td>5.6</td> <td>5.6</td> <td>6.5</td> </tr> <tr> <td>60~80</td> <td>3.0</td> <td>3.2</td> <td>3.4</td> <td>3.5</td> <td>3.6</td> <td>4.3</td> <td>4.9</td> <td>5.8</td> <td>5.9</td> <td>7.0</td> </tr> <tr> <td>80~100</td> <td>3.0</td> <td>3.4</td> <td>3.6</td> <td>3.6</td> <td>3.8</td> <td>4.4</td> <td>5.1</td> <td>6.0</td> <td>6.1</td> <td>7.3</td> </tr> <tr> <td>100~120</td> <td>3.0</td> <td>3.6</td> <td>3.8</td> <td>3.8</td> <td>4.0</td> <td>4.6</td> <td>5.3</td> <td>6.1</td> <td>6.2</td> <td>7.5</td> </tr> <tr> <td>120~140</td> <td>3.1</td> <td>3.6</td> <td>3.9</td> <td>3.9</td> <td>4.1</td> <td>4.8</td> <td>5.4</td> <td>6.2</td> <td>6.3</td> <td>7.6</td> </tr> <tr> <td>140~160</td> <td>3.2</td> <td>3.7</td> <td>4.1</td> <td>4.2</td> <td>4.3</td> <td>5.0</td> <td>5.6</td> <td>6.3</td> <td>6.4</td> <td>7.8</td> </tr> </table>						-60~-40	2.4	2.8	2.9	2.9	3.0	3.2	3.5	3.9	4.0	4.7	-40~-20	2.4	2.8	2.9	3.0	3.1	3.3	3.7	4.2	4.3	5.0	-20~0	2.5	2.9	3.0	3.0	3.2	3.6	4.0	4.5	4.6	5.3	0~20	2.7	2.9	3.2	3.2	3.3	3.8	4.2	4.9	5.0	5.7	20~40	2.8	3.0	3.4	3.4	3.5	3.9	4.5	5.3	5.4	6.1	40~60	2.9	3.1	3.4	3.5	3.6	4.0	4.7	5.6	5.6	6.5	60~80	3.0	3.2	3.4	3.5	3.6	4.3	4.9	5.8	5.9	7.0	80~100	3.0	3.4	3.6	3.6	3.8	4.4	5.1	6.0	6.1	7.3	100~120	3.0	3.6	3.8	3.8	4.0	4.6	5.3	6.1	6.2	7.5	120~140	3.1	3.6	3.9	3.9	4.1	4.8	5.4	6.2	6.3	7.6	140~160	3.2	3.7	4.1	4.2	4.3	5.0	5.6	6.3	6.4	7.8
-60~-40	2.4	2.8	2.9	2.9	3.0	3.2	3.5	3.9	4.0							4.7																																																																																																																								
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