

<b>H-LaF53</b>		<b>743492</b>		$n_d = 1.74330$		$v_d = 49.22$		$n_F - n_C = 0.015101$		
				$n_e = 1.74690$		$v_e = 48.99$		$n_{F'} - n_{C'} = 0.015246$		
<b>Refractive Indices</b>				<b>Relative Partial Dispersion</b>		<b>Chemical Properties (grade)</b>		<b>Internal Transmittance</b>		
	$\lambda$ (nm)	$n_\lambda$		$P_{d,C}$	0.3013	RC (S)	1	$\lambda$ (nm)	$\tau_{5mm}$	$\tau_{10mm}$
$n_{2325}$	2325.42	1.70297		$P_{e,d}$	0.2384	RA (S)	3	2400	0.761	0.580
$n_{1970}$	1970.09	1.70999		$P_{g,F}$	0.5536	$D_W$	1	2200	0.914	0.835
$n_{1530}$	1529.58	1.71767		$P'_{d,c'}$	0.2512	$D_A$	3	2000	0.975	0.951
$n_{1129}$	1128.64	1.72455		$P'_{e,d}$	0.2361	$R_{OH}$ (S)	1	1800	0.993	0.986
$n_{1064}$	1064.00	1.72580		$P'_{g,F'}$	0.4913	RP (S)	2	1600	0.999	0.998
$n_t$	1013.98	1.72685		<b>Deviation of Relative Partial Dispersions</b>		<b>Expansion Coefficient <math>\alpha</math> (<math>\times 10^{-7}/K</math>)</b>		1400	0.999	0.998
$n_s$	852.11	1.73087						$\Delta P_{F,e}$	-0.0028	$^{\circ}C$
$n_{A'}$	768.19	1.73364		$\Delta P_{g,F}$	-0.0082	-50/-40	44	1060	0.999	0.998
$n_r$	706.52	1.73619		$\Delta P_{C,t}$	0.0094	-40/-30	47	1000	0.999	0.998
$n_C$	656.27	1.73875		$\Delta P_{C,s}$	0.0033	-30/-20	49	950	0.999	0.998
$n_{C'}$	643.85	1.73947		<b>Thermal Properties</b>		-20/-10	50	900	0.999	0.998
$n_{He-Ne}$	632.80	1.74015				Tg ( $^{\circ}C$ )	608	-10/0	51	850
$n_D$	589.29	1.74317		Ts ( $^{\circ}C$ )	634	0/10	52	800	0.999	0.998
$n_d$	587.56	1.74330		$T_{10}^{14.5}$ ( $^{\circ}C$ )	550	10/20	53	750	0.999	0.998
$n_e$	546.07	1.74690		$T_{10}^{13}$ ( $^{\circ}C$ )	578	20/30	53	700	0.999	0.998
$n_F$	486.13	1.75385		$\alpha_{.50/80^{\circ}C}$ ( $10^{-7}/K$ )	50	30/40	53	650	0.999	0.998
$n_{F'}$	479.99	1.75472		$\alpha_{100/300^{\circ}C}$ ( $10^{-7}/K$ )	66	40/50	54	600	0.999	0.998
$n_g$	435.84	1.76221		$\lambda$ (W/(m·K))	0.83	50/60	54	550	0.999	0.998
$n_h$	404.66	1.76921		<b>Mechanical Properties</b>		60/70	54	500	0.999	0.998
$n_i$	365.01	1.78127				70/80	55	70/80	55	480
<b>Constants of Dispersion Formula</b>				<b>Mechanical Properties</b>		80/90	56	460	0.998	0.996
$A_0$	2.97513891E+00					HK ( $10^7Pa$ )	661	80/90	56	440
$A_1$	-1.46215956E-02			$F_A$	83	90/100	57	420	0.996	0.992
$A_2$	2.17492662E-02			E (GPa)	110.1	100/110	58	400	0.992	0.987
$A_3$	8.02001413E-04			G (GPa)	41.5	110/120	59	390	0.987	0.980
$A_4$	-3.64703266E-05			$\mu$	0.327	120/130	60	380	0.981	0.970
$A_5$	2.12357903E-06			$\sigma_b$ (MPa)	75	130/140	61	370	0.970	0.950
<b>Density</b>		<b>Solarization</b>		B ( $10^{-12}/Pa$ )	2.18	140/150	62	360	0.951	0.914
$\rho$ (g/cm <sup>3</sup> )	4.15	$\Delta\lambda$ (%)	-1.1	<b>Temperature Coefficients of Refractive Index</b>		150/160	63	350	0.924	0.862
<b>Range of Temperature (<math>^{\circ}C</math>)</b>		<b>dn/dt relative (<math>\times 10^{-6} / ^{\circ}C</math>)</b>				130/140	61	340	0.880	0.786
		t	s	C	C'	He-Ne	d	e	F	F'
-60~-40	7.4	7.7	7.9	7.9	7.9	8.1	8.5	8.9	9.0	9.5
-40~-20	7.3	7.8	8.1	8.1	8.0	8.2	8.5	9.0	9.1	9.6
-20~0	7.3	7.9	8.1	8.1	8.1	8.2	8.6	9.1	9.2	9.7
0~20	7.4	8.0	8.2	8.2	8.2	8.3	8.7	9.2	9.3	9.8
20~40	7.4	8.0	8.2	8.2	8.2	8.4	8.7	9.3	9.4	9.9
40~60	7.5	8.1	8.3	8.3	8.3	8.5	8.8	9.4	9.6	10.0
60~80	7.6	8.2	8.4	8.4	8.5	8.6	9.0	9.6	9.7	10.2
80~100	7.7	8.3	8.5	8.6	8.6	8.7	9.1	9.8	9.9	10.4
100~120	7.8	8.5	8.6	8.6	8.6	9.0	9.3	10.0	10.1	10.7
120~140	7.9	8.5	8.7	8.7	8.7	9.1	9.5	10.2	10.3	11.0
140~160	8.1	8.7	8.8	8.8	8.8	9.3	9.7	10.4	10.5	11.2
								<b>Coloration Code</b>		
								$\lambda_{80}(\lambda_{70})/\lambda_5$	370/300	
								<b>Coloration of Internal Transmittance</b>		
								$\lambda\tau_{80}/\lambda\tau_5$	342/301	
								<b>Constants of dn/dt</b>		
								$D_0$	$D_1$	$D_2$
								9.82E-06	1.23E-08	-1.80E-11
								$E_0$	$E_1$	$\lambda_{TK}$
								5.12E-07	6.03E-10	2.46E-01