

<b>H-LaF4</b>	<b>750350</b>	$n_d=1.74950$	$\nu_d=34.99$	$n_F - n_c =0.021421$
		$n_e=1.75458$	$\nu_e=34.78$	$n_{F'} - n_{c'} =0.021697$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	$\lambda$ (nm)		$P_{d,c}$	0.2946	$P'_{d,c'}$	0.2448	$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
$n_t$	1014.0	1.72804	$P_{e,d}$	0.2371	$P'_{e,d}$	0.2340	2400	0.915	0.838
$n_r$	706.5	1.73975	$P_{g,F}$	0.5863	$P'_{g,F'}$	0.5199	2200	0.960	0.921
$n_c$	656.3	1.74319					2000	0.984	0.968
$n_{c'}$	643.8	1.74419	<b>Chemical Properties</b>				1800	0.991	0.982
$n_{He-Ne}$	632.8	1.74511			Grade		1600	0.996	0.993
$n_D$	589.3	1.74932	RC(S)		1		1400	0.997	0.995
$n_d$	587.6	1.74950	RA(S)		3		1200	0.999	0.998
$n_e$	546.1	1.75458	D <sub>W</sub>		1		1060	0.999	0.998
$n_F$	486.1	1.76461	D <sub>A</sub>		2		1000	0.999	0.998
$n_{F'}$	480.0	1.76589					950	0.999	0.998
$n_g$	435.8	1.77717	<b>Thermal Properties</b>				900	0.999	0.998
$n_h$	404.7	1.78817	$T_g$ (°C)		580		850	0.999	0.998
$n_i$	365.0	1.80838	$T_s$ (°C)		630		800	0.999	0.998
			$T_{10}^{14.5}$ (°C)		535		700	0.999	0.998
			$T_{10}^{13}$ (°C)		568		650	0.998	0.997
			$T_{10}^{7.6}$ (°C)				600	0.998	0.997
<b>Constants of Dispersion Formula</b>			$\alpha_{20/120^\circ C}(10^{-7}/K)$		83		550	0.998	0.996
$A_0$	2.9561205		$\alpha_{100/300^\circ C}(10^{-7}/K)$		95		500	0.996	0.992
$A_1$	$-5.5767875 \times 10^{-3}$		$\lambda$ (W/m · K)				480	0.993	0.987
$A_2$	$3.7258236 \times 10^{-2}$						460	0.991	0.983
$A_3$	$-7.1868609 \times 10^{-4}$		<b>Mechanical Properties</b>				440	0.988	0.977
$A_4$	$1.9999863 \times 10^{-4}$		$H_K$ ( $10^7$ Pa)		545		420	0.982	0.964
$A_5$	$-2.8002519 \times 10^{-6}$		$F_A$		178		400	0.964	0.930
			$E$ ( $10^7$ Pa)		9105		390	0.942	0.887
<b>Deviation of Relative Partial Dispersions <math>\Delta P</math> from the“Normal Line”</b>			$G$ ( $10^7$ Pa)		3563		380	0.895	0.801
$\Delta P_{F,e}$	-0.0022		$\mu$		0.278		370	0.775	0.601
$\Delta P_{g,F}$	0.0003		$B$ ( $10^{-12}$ /Pa)		2.42		360	0.505	0.255
							350	0.138	0.019
			<b>Other Properties</b>				340		
			$\rho$ (g/cm <sup>3</sup> )		3.92		330		
							320		
							310		
							300		
							290		
							280		
							<b>Coloration Code</b>		
							$\lambda_{80}/\lambda_5$	40/35	
<b>Temperature Coefficients of Refractive Index</b>									
<b>Rang of Temperature</b>	<b>dn/dt relative(<math>10^{-6}/^\circ C</math>)</b>								
	t	C'	d	e	F'	g			
-40~-20	1.3	2.0	2.7	2.9	3.4	4.4			
-20~0	2.0	3.1	3.3	3.5	4.7	5.7			
0~20	2.4	3.5	3.6	4.3	5.1	6.3			
20~40	2.5	3.4	3.9	4.2	5.4	6.2			
40~60	2.5	3.5	4.0	4.5	5.6	6.6			
60~80	2.8	3.8	4.4	4.6	5.6	6.9			