

<b>H-LaF53</b>	<b>743492</b>	$n_d = 1.74330$	$v_d = 49.22$	$n_F - n_c = 0.015101$
		$n_e = 1.74690$	$v_e = 48.99$	$n_{F'} - n_{c'} = 0.015246$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	$\lambda$ (nm)		$P_{d,c}$	0.3018	$P'_{d,c'}$	0.2516	$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
$n_t$	1014.0	1.72681	$P_{e,d}$	0.2384	$P'_{e,d}$	0.2361	2400	0.80	0.64
$n_r$	706.5	1.73616	$P_{g,F}$	0.5510	$P'_{g,F'}$	0.4887	2200	0.939	0.881
$n_c$	656.3	1.73874					2000	0.976	0.952
$n_{c'}$	643.8	1.73946	<b>Chemical Properties</b>				1800	0.989	0.979
$n_{He-Ne}$	632.8	1.74014			Grade		1600	0.996	0.992
$n_D$	589.3	1.74317	RC(S)		1		1400	0.998	0.996
$n_d$	587.6	1.74330	RA(S)		3		1200	0.998	0.997
$n_e$	546.1	1.74690	D <sub>W</sub>		1		1060	0.999	0.998
$n_F$	486.1	1.75384	D <sub>A</sub>		3		1000	0.999	0.998
$n_{F'}$	480.0	1.75471					950	0.999	0.998
$n_g$	435.8	1.76216	<b>Thermal Properties</b>				900	0.999	0.997
$n_h$	404.7	1.76915	T <sub>g</sub> (°C)		590		850	0.998	0.996
$n_i$	365.0	1.78119	T <sub>s</sub> (°C)		621		800	0.998	0.995
			T <sub>10</sub> <sup>14.5</sup> (°C)		550		700	0.997	0.994
			T <sub>10</sub> <sup>13</sup> (°C)		582		650	0.997	0.993
			T <sub>10</sub> <sup>7.6</sup> (°C)		682		600	0.997	0.993
			$\alpha_{20/120^\circ C}(10^{-7}/K)$		58		550	0.997	0.993
			$\alpha_{100/300^\circ C}(10^{-7}/K)$		73		500	0.995	0.990
			$\lambda$ (W/m · K)				480	0.993	0.987
							460	0.992	0.984
			<b>Mechanical Properties</b>				440	0.988	0.977
			H <sub>K</sub> (10 <sup>7</sup> Pa)		698		420	0.985	0.970
			F <sub>A</sub>		104		400	0.978	0.956
			E (10 <sup>7</sup> Pa)		10678		390	0.970	0.940
			G (10 <sup>7</sup> Pa)		4084		380	0.954	0.910
			$\mu$		0.307		370	0.93	0.86
			B (10 <sup>-12</sup> /Pa)				360	0.88	0.78
							350	0.81	0.65
			<b>Other Properties</b>				340	0.71	0.50
			$\rho$ (g/cm <sup>3</sup> )		4.16		330	0.57	0.32
							320	0.41	0.17
							310	0.25	0.06
							300	0.10	0.01
							290		
							280		
							<b>Coloration Code</b>		
							$\lambda_{80}/\lambda_5$	38/30	
Temperature Coefficients of Refractive Index									
Rang of Temperature	dn/dt relative(10 <sup>-6</sup> /°C)								
	t	C'	d	e	F'	g			
-40~-20	5.9	6.8	7.3	7.6	7.9	8.1			
-20~0	6.5	6.8	7.3	7.4	7.8	8.4			
0~20	6.5	6.6	6.8	7.2	8.1	9.0			
20~40	6.5	7.4	7.8	8.0	8.7	9.3			
40~60	6.7	7.5	7.8	8.0	8.6	9.2			
60~80	6.9	7.6	8.0	8.4	8.9	9.6			