

<b>H-LaK51A</b>	<b>697555</b>	$n_d = 1.69680$	$v_d = 55.53$	$n_F - n_C = 0.012549$
		$n_e = 1.69979$	$v_e = 55.31$	$n_{F'} - n_{C'} = 0.012653$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	$\lambda$ (nm)		$P_{d,c}$	0.3052	$P'_{d,c'}$	0.2545	$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
$n_t$	1014.0	1.68251	$P_{e,d}$	0.2383	$P'_{e,d}$	0.2363	2400	0.796	0.633
$n_r$	706.5	1.69078	$P_{g,F}$	0.5446	$P'_{g,F'}$	0.4832	2200	0.945	0.892
$n_c$	656.3	1.69297					2000	0.981	0.963
$n_{c'}$	643.8	1.69358	<b>Chemical Properties</b>				1800	0.993	0.987
$n_{He-Ne}$	632.8	1.69415			Grade		1600	0.998	0.995
$n_D$	589.3	1.69668	RC(S)		1		1400	0.998	0.996
$n_d$	587.6	1.69680	RA(S)		3		1200	0.999	0.998
$n_e$	546.1	1.69979	D <sub>W</sub>		1		1060	0.999	0.998
$n_F$	486.1	1.70552	D <sub>A</sub>		3		1000	0.999	0.998
$n_{F'}$	480.0	1.70624					950	0.999	0.998
$n_g$	435.8	1.71235	<b>Thermal Properties</b>				900	0.999	0.998
$n_h$	404.7	1.71803	T <sub>g</sub> (°C)		654		850	0.999	0.998
$n_i$	365.0	1.72774	T <sub>s</sub> (°C)		682		800	0.996	0.993
			T <sub>10</sub> <sup>14.5</sup> (°C)		616		700	0.996	0.993
			T <sub>10</sub> <sup>13</sup> (°C)		640		650	0.997	0.995
			T <sub>10</sub> <sup>7.6</sup> (°C)		724		600	0.997	0.995
			$\alpha_{20/120^\circ C}(10^{-7}/K)$		68		550	0.997	0.995
			$\alpha_{100/300^\circ C}(10^{-7}/K)$		81		500	0.997	0.994
			$\lambda$ (W/m · K)				480	0.997	0.994
							460	0.995	0.990
			<b>Mechanical Properties</b>				440	0.993	0.987
			H <sub>K</sub> (10 <sup>7</sup> Pa)		695		420	0.992	0.985
			F <sub>A</sub>		111		400	0.990	0.980
			E (10 <sup>7</sup> Pa)		11314		390	0.987	0.975
			G (10 <sup>7</sup> Pa)		4428		380	0.983	0.966
			$\mu$		0.278		370	0.972	0.945
			B (10 <sup>-12</sup> /Pa)		1.69		360	0.956	0.913
							350	0.928	0.861
			<b>Other Properties</b>				340	0.883	0.780
			$\rho$ (g/cm <sup>3</sup> )		3.56		330	0.822	0.675
							320	0.744	0.553
							310	0.652	0.425
							300	0.558	0.312
							290	0.467	0.218
							280	0.385	0.148
							270		
							<b>Coloration Code</b>		
							$\lambda_{80}/\lambda_5$	36/28	
<b>Constants of Dispersion Formula</b>									
A <sub>0</sub>	2.8234894								
A <sub>1</sub>	$-1.2628149 \times 10^{-2}$								
A <sub>2</sub>	$2.1248444 \times 10^{-2}$								
A <sub>3</sub>	$-4.4565326 \times 10^{-4}$								
A <sub>4</sub>	$1.0380030 \times 10^{-4}$								
A <sub>5</sub>	$-4.7255594 \times 10^{-6}$								
<b>Deviation of Relative Partial Dispersions <math>\Delta P</math> from the "Normal Line"</b>									
$\Delta P_{F,e}$	-0.0027								
$\Delta P_{g,F}$	-0.0065								
<b>Temperature Coefficients of Refractive Index</b>									
Rang of Temperature	<b>dn/dt relative(10<sup>-6</sup>/°C)</b>								
	t	C'	d	e	F'	g			
-40~-20	1.8	2.0	2.1	2.2	2.3	2.6			
-20~0	1.7	2.0	2.2	2.5	2.9	3.3			
0~20	1.7	2.0	2.2	3.0	3.0	3.2			
20~40	1.6	2.2	2.8	2.6	3.1	3.5			
40~60	2.0	2.2	2.8	2.7	3.1	3.8			
60~80	2.3	2.8	2.9	3.2	3.6	3.8			