

<b>H-LaK2</b> <b>691547</b>	$n_d = 1.69100$	$v_d = 54.70$	$n_F - n_C = 0.012633$
	$n_e = 1.69401$	$v_e = 54.48$	$n_{F'} - n_{C'} = 0.012739$

Refractive Indices		
	$\lambda(\text{nm})$	$n_\lambda$
$n_{2325}$	2325.42	1.65330
$n_{1970}$	1970.09	1.66043
$n_{1530}$	1529.58	1.66812
$n_{1129}$	1128.64	1.67471
$n_t$	1013.98	1.67681
$n_s$	852.11	1.68039
$n_{A'}$	768.19	1.68280
$n_r$	706.52	1.68499
$n_C$	656.27	1.68715
$n_{C'}$	643.85	1.68776
$n_{\text{He-Ne}}$	632.80	1.68833
$n_D$	589.29	1.69088
$n_d$	587.56	1.69100
$n_e$	546.07	1.69401
$n_F$	486.13	1.69978
$n_{F'}$	479.99	1.70050
$n_g$	435.84	1.70665
$n_h$	404.66	1.71235
$n_i$	365.01	1.72209

Constants of Dispersion Formula	
$A_0$	2.80955685E+00
$A_1$	-1.46673580E-02
$A_2$	1.68842607E-02
$A_3$	9.16821494E-04
$A_4$	-7.97191507E-05
$A_5$	4.19772399E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3048	$P'_{d,C'}$	0.2543
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5439	$P'_{g,F'}$	0.4827

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative ( $10^{-6} / ^\circ\text{C}$ )						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	3.2	3.6	3.6	3.7	3.9	4.2	4.6
-20 ~ 0	3.2	3.6	3.6	3.8	3.9	4.3	4.7
0 ~ 20	3.3	3.7	3.7	3.8	4.0	4.4	4.8
20 ~ 40	3.3	3.7	3.7	3.9	4.1	4.5	4.9
40 ~ 60	3.4	3.8	3.8	4.0	4.1	4.6	5.0
60 ~ 80	3.5	3.8	3.8	4.0	4.2	4.6	5.1

Chemical Properties (grade)	
RC(S)	1
RA(S)	3
$D_W$	1
$D_A$	3
$R_{OH}(S)$	1
RP(S)	3

Thermal Properties	
$T_g(^{\circ}\text{C})$	614
$T_s(^{\circ}\text{C})$	651
$T_{10}^{14.5}(^{\circ}\text{C})$	585
$T_{10}^{13}(^{\circ}\text{C})$	602
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	57
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	73

Mechanical Properties	
HK( $10^7\text{Pa}$ )	528
$F_A$	94
$E(10^7\text{Pa})$	10013
$G(10^7\text{Pa})$	3973
$\mu$	0.260
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	2.010

Density	
$\rho(\text{g}/\text{cm}^3)$	3.63

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0032
$\Delta P_{g,F}$	-0.0088
$\Delta P_{C,t}$	0.0135
$\Delta P_{C,s}$	0.0036

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.766	0.579
2200	0.919	0.846
2000	0.973	0.955
1800	0.989	0.986
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.999	0.998
750	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.998
440	0.999	0.995
420	0.999	0.991
400	0.994	0.985
390	0.987	0.979
380	0.980	0.965
370	0.969	0.943
360	0.948	0.906
350	0.916	0.838
340	0.867	0.757
330	0.801	0.645
320	0.712	0.509
310	0.599	0.360
300	0.449	0.202
290	0.245	0.063
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/290

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	