

H-LaK1	660574	$n_d = 1.65950$	$v_d = 57.35$	$n_F - n_C = 0.011500$
		$n_e = 1.66224$	$v_e = 57.13$	$n_F - n_C = 0.011592$

Refractive Indices			Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance		
	λ (nm)	n_λ					λ (nm)	τ_{5mm}	τ_{10mm}
n_{2325}	2325.42	1.62649	$P_{d,C}$	0.3043	RC (S)	1	2400	0.873	0.762
n_{1970}	1970.09	1.63247	$P_{e,d}$	0.2383	RA (S)	1	2200	0.954	0.910
n_{1530}	1529.58	1.63901	$P_{g,F}$	0.5443	D_W	3	2000	0.993	0.986
n_{1129}	1128.64	1.64475	$P'_{d,c}$	0.2545	D_A	4	1800	0.999	0.998
n_{1064}	1064.00	1.64577	$P'_{e,d}$	0.2364	$R_{OH}(S)$	1	1600	0.999	0.998
n_t	1013.98	1.64660	$P'_{g,F}$	0.4848	RP (S)	3	1400	0.999	0.998
n_s	852.11	1.64983			CR	3	1200	0.999	0.998
$n_{A'}$	768.19	1.65202	Deviation of Relative Partial Dispersions $\Delta P_{F,e}$ -0.0012 $\Delta P_{g,F}$ -0.0040 $\Delta P_{C,t}$ -0.0006 $\Delta P_{C,s}$ -0.0015		Expansion Coefficient $\alpha (\times 10^{-7}/K)$ $^{\circ}C$ α -50/-40 59 -40/-30 61 -30/-20 63 -20/-10 64 -10/0 64 0/10 65 10/20 65 20/30 66 30/40 67 40/50 67 50/60 67 60/70 68 70/80 68 80/90 69 90/100 70 100/110 71 110/120 72 120/130 73 130/140 74 140/150 75 150/160 76		1060	0.999	0.998
n_f	706.52	1.65403					1000	0.999	0.998
n_C	656.27	1.65600					950	0.999	0.998
$n_{C'}$	643.85	1.65655					900	0.999	0.998
n_{He-Ne}	632.80	1.65707					850	0.999	0.998
n_D	589.29	1.65939	800	0.999	0.998				
n_d	587.56	1.65950	750	0.999	0.998				
n_e	546.07	1.66224	700	0.999	0.998				
n_F	486.13	1.66750	650	0.999	0.998				
$n_{F'}$	479.99	1.66814	600	0.999	0.998				
n_g	435.84	1.67376	550	0.999	0.998				
n_h	404.66	1.67897	500	0.999	0.998				
n_i	365.01	1.68783	480	0.999	0.998				
			460	0.999	0.998				
			440	0.999	0.998				
			420	0.997	0.995				
			400	0.995	0.992				
			390	0.993	0.987				
			380	0.990	0.981				
			370	0.981	0.970				
			360	0.968	0.947				
			350	0.950	0.910				
			340	0.918	0.852				
			330	0.868	0.762				
			320	0.796	0.641				
			310	0.697	0.495				
			300	0.581	0.346				
			290	0.460	0.217				
			280	0.343	0.122				

Constants of Dispersion Formula	
A_0	2.70733270E+00
A_1	-1.20058561E-02
A_2	1.64047722E-02
A_3	4.17032662E-04
A_4	-1.43172608E-05
A_5	7.78703513E-07

Density		Solarization	
ρ (g/cm ³)	3.64	$\Delta\lambda$ (%)	-2.8

Thermal Properties	
T_g (°C)	651
T_s (°C)	685
$T_{10}^{14.5}$ (°C)	588
T_{10}^{13} (°C)	617
$\alpha_{-50/80^{\circ}C}$ (10 ⁻⁷ /K)	65
$\alpha_{100/300^{\circ}C}$ (10 ⁻⁷ /K)	81
λ (W/(m K))	0.82

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($\times 10^{-6} / ^{\circ}C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	1.6	1.9	2.1	2.1	2.1	2.2	2.3	2.5	2.6	3.0
-40 ~ -20	1.7	1.9	2.0	2.0	2.0	2.1	2.3	2.6	2.7	3.0
-20 ~ 0	1.6	1.9	2.1	2.1	2.1	2.2	2.3	2.6	2.7	3.0
0 ~ 20	1.6	1.9	2.1	2.2	2.2	2.2	2.3	2.6	2.7	3.1
20 ~ 40	1.6	1.9	2.1	2.1	2.1	2.1	2.4	2.7	2.8	3.1
40 ~ 60	1.6	2.0	2.2	2.2	2.2	2.3	2.4	2.7	2.8	3.2
60 ~ 80	1.8	2.1	2.2	2.2	2.2	2.4	2.5	2.7	2.9	3.3
80 ~ 100	1.9	2.1	2.2	2.2	2.2	2.4	2.5	2.8	2.9	3.4
100 ~ 120	1.9	2.2	2.3	2.3	2.3	2.5	2.6	2.9	3.0	3.5
120 ~ 140	2.0	2.3	2.4	2.4	2.4	2.6	2.7	3.0	3.1	3.6
140 ~ 160	2.1	2.4	2.5	2.5	2.5	2.7	2.8	3.1	3.2	3.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	350/270

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	334/272

Constants of dn/dt		
D_0	D_1	D_2
1.09E-07	1.22E-08	-1.85E-11
E_0	E_1	λ_{TK}
2.95E-07	1.37E-10	2.81E-01