

<b>H-LaK50</b> <b>652584</b>	$n_d = 1.65160$	$v_d = 58.40$	$n_F - n_C = 0.011157$
	$n_e = 1.65426$	$v_e = 58.15$	$n_{F'} - n_{C'} = 0.011251$

Refractive Indices		
	$\lambda(\text{nm})$	$n_\lambda$
$n_{2325}$	2325.42	1.61823
$n_{1970}$	1970.09	1.62453
$n_{1530}$	1529.58	1.63133
$n_{1129}$	1128.64	1.63715
$n_t$	1013.98	1.63901
$n_s$	852.11	1.64218
$n_{A'}$	768.19	1.64432
$n_r$	706.52	1.64628
$n_C$	656.27	1.64821
$n_{C'}$	643.85	1.64875
$n_{\text{He-Ne}}$	632.80	1.64925
$n_D$	589.29	1.65150
$n_d$	587.56	1.65160
$n_e$	546.07	1.65426
$n_F$	486.13	1.65936
$n_{F'}$	479.99	1.66000
$n_g$	435.84	1.66538
$n_h$	404.66	1.67035
$n_i$	365.01	1.67888

Constants of Dispersion Formula	
$A_0$	2.68453878E+00
$A_1$	-1.26814449E-02
$A_2$	1.44610782E-02
$A_3$	9.42717786E-04
$A_4$	-1.06540589E-04
$A_5$	6.04608965E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3040	$P'_{d,C'}$	0.2533
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2364
$P_{g,F}$	0.5399	$P'_{g,F'}$	0.4782

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	1.2	1.6	1.6	1.7	1.8	2.1	2.4
-20 ~ 0	1.1	1.5	1.5	1.6	1.8	2.1	2.4
0 ~ 20	1.1	1.5	1.5	1.6	1.8	2.1	2.4
20 ~ 40	1.1	1.5	1.5	1.7	1.8	2.1	2.5
40 ~ 60	1.2	1.6	1.6	1.7	1.9	2.2	2.6
60 ~ 80	1.3	1.7	1.7	1.9	2.0	2.4	2.7

Chemical Properties (grade)	
RC(S)	3
RA(S)	1
$D_W$	3
$D_A$	4
$R_{OH}(S)$	2
RP(S)	4

Thermal Properties	
$T_g(^{\circ}\text{C})$	645
$T_s(^{\circ}\text{C})$	678
$T_{10}^{14.5}(^{\circ}\text{C})$	599
$T_{10}^{13}(^{\circ}\text{C})$	637
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	71
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	85

Mechanical Properties	
HK( $10^7\text{Pa}$ )	562
$F_A$	138
$E(10^7\text{Pa})$	10065
$G(10^7\text{Pa})$	3947
$\mu$	0.275
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	1.820

Density	
$\rho(\text{g}/\text{cm}^3)$	3.54

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0006
$\Delta P_{g,F}$	-0.0067
$\Delta P_{C,t}$	0.0020
$\Delta P_{C,s}$	0.0002

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.858	0.738
2200	0.965	0.933
2000	0.994	0.989
1800	0.999	0.998
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	0.998
420	0.999	0.995
400	0.999	0.990
390	0.997	0.984
380	0.994	0.977
370	0.990	0.965
360	0.979	0.942
350	0.954	0.895
340	0.925	0.840
330	0.879	0.757
320	0.813	0.646
310	0.726	0.516
300	0.621	0.379
290	0.508	0.254
280	0.391	0.152

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

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	334/268