

H-LaK10	651559	$n_d = 1.65113$	$v_d = 55.89$	$n_F - n_C = 0.011650$
		$n_e = 1.65391$	$v_e = 55.62$	$n_F - n_C' = 0.011757$

Refractive Indices			Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance		
	λ (nm)	n_λ					λ (nm)	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
n_{2325}	2325.42	1.61921	$P_{d,C}$	0.3030	RC (S)	1	2400	0.891	0.794
n_{1970}	1970.09	1.62487	$P_{e,d}$	0.2386	RA (S)	2	2200	0.966	0.933
n_{1530}	1529.58	1.63105	$P_{g,F}$	0.5433	D_W	1	2000	0.990	0.980
n_{1129}	1128.64	1.63650	$P'_{d,c'}$	0.2526	D_A	4	1800	0.995	0.990
n_{1064}	1064.00	1.63749	$P'_{e,d}$	0.2365	$R_{OH}(S)$	1	1600	0.999	0.998
n_t	1013.98	1.63830	$P'_{g,F'}$	0.4814	RP (S)	2	1400	0.999	0.998
n_s	852.11	1.64144			CR	2	1200	0.999	0.998
$n_{A'}$	768.19	1.64361	Deviation of Relative Partial Dispersions		Expansion Coefficient $\alpha (\times 10^{-7}/K)$		1060	0.999	0.998
n_r	706.52	1.64560					1000	0.999	0.998
n_C	656.27	1.64760					950	0.999	0.998
$n_{C'}$	643.85	1.64816					900	0.999	0.998
n_{He-Ne}	632.80	1.64869					850	0.999	0.998
n_D	589.29	1.65103	Thermal Properties				800	0.999	0.998
n_d	587.56	1.65113					750	0.999	0.998
n_e	546.07	1.65391					700	0.999	0.998
n_F	486.13	1.65925					650	0.999	0.998
$n_{F'}$	479.99	1.65992					600	0.999	0.998
n_g	435.84	1.66558	Mechanical Properties				550	0.999	0.998
n_h	404.66	1.67083					500	0.999	0.998
n_i	365.01	1.67985					480	0.999	0.998
							460	0.999	0.998
							440	0.998	0.995
							420	0.996	0.992
							400	0.994	0.989
							390	0.991	0.985
							380	0.988	0.979
							370	0.982	0.968
							360	0.971	0.945
							350	0.952	0.910
							340	0.920	0.849
							330	0.867	0.756
							320	0.790	0.628
							310	0.684	0.469
							300	0.551	0.305
							290	0.401	0.163
							280	0.249	0.064

Constants of Dispersion Formula	
A_0	2.68014719E+00
A_1	-1.13022222E-02
A_2	1.49971961E-02
A_3	1.08435000E-03
A_4	-1.25822106E-04
A_5	7.18648482E-06

Density		Solarization	
ρ (g/cm ³)	3.72	$\Delta\lambda$ (%)	-4.0

Mechanical Properties	
HK (10 ⁷ Pa)	552
F_A	170
E (GPa)	90.3
G (GPa)	34.4
μ	0.311
σ_b (MPa)	54
B (10 ⁻¹² /Pa)	1.90

70/80	69
80/90	69
90/100	70
100/110	71
110/120	72
120/130	73
130/140	74
140/150	75
150/160	76

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($\times 10^{-6} / ^\circ\text{C}$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	2.5	2.8	2.9	3.0	3.0	3.1	3.3	3.5	3.6	4.0
-40 ~ -20	2.5	2.7	2.8	2.9	2.9	3.1	3.3	3.5	3.6	4.0
-20 ~ 0	2.5	2.8	2.9	2.9	2.9	3.1	3.3	3.5	3.6	4.0
0 ~ 20	2.5	2.8	3.0	3.0	3.0	3.1	3.3	3.5	3.6	4.1
20 ~ 40	2.5	2.8	3.0	3.0	3.0	3.1	3.3	3.5	3.6	4.1
40 ~ 60	2.6	2.8	3.0	3.0	3.0	3.1	3.4	3.6	3.7	4.2
60 ~ 80	2.6	2.9	3.1	3.1	3.1	3.2	3.6	3.8	3.9	4.4
80 ~ 100	2.7	3.0	3.2	3.2	3.3	3.4	3.7	3.9	4.0	4.6
100 ~ 120	2.8	3.1	3.2	3.2	3.3	3.5	3.8	4.1	4.2	4.8
120 ~ 140	2.9	3.2	3.3	3.3	3.4	3.6	3.9	4.2	4.3	4.9
140 ~ 160	3.0	3.3	3.4	3.4	3.5	3.7	4.0	4.3	4.4	5.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	350/275
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	329/275

Constants of dn/dt		
D_0	D_1	D_2
1.69E-06	1.16E-08	-1.39E-11
E_0	E_1	λ_{TK}
3.41E-07	4.23E-10	2.78E-01