

H-LaK50652584			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			Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance									
							λ (nm)	τ5mm	τ10mm							
n ₂₃₂₅	2325.42	1.61823	P _{d,C}	0.3038	RC (S)	3	2400	0.858	0.738							
n ₁₉₇₀	1970.09	1.62453	P _{e,d}	0.2384	RA (S)	1	2200	0.965	0.933							
n ₁₅₃₀	1529.58	1.63133	P _{g,F}	0.5396	D _W	3	2000	0.994	0.989							
n ₁₁₂₉	1128.64	1.63715	P' _{d,c'}	0.2533	D _A	4	1800	0.999	0.998							
n ₁₀₆₄	1064.00	1.63818	P' _{e,d}	0.2364	R _{OH} (S)	2	1600	0.999	0.998							
n _t	1013.98	1.63901	P' _{g,F'}	0.4782	RP (S)	4	1400	0.999	0.998							
n _s	852.11	1.64218	Deviation of Relative Partial Dispersions		Expansion Coefficient α (×10 ⁻⁷ /K)		1200	0.999	0.998							
n _{A'}	768.19	1.64432					1060	0.999	0.998							
n _r	706.52	1.64628					1000	0.999	0.998							
n _C	656.27	1.64821					950	0.999	0.998							
n _{C'}	643.85	1.64875					900	0.999	0.998							
n _{He-Ne}	632.80	1.64925	ΔP _{F,e}	-0.0009	°C	α	850	0.999	0.998							
n _D	589.29	1.65150	ΔP _{g,F}	-0.0070	-50/-40	63	800	0.999	0.998							
n _d	587.56	1.65160	ΔP _{C,t}	0.0015	-40/-30	64	750	0.999	0.998							
n _e	546.07	1.65426	ΔP _{C,s}	-0.0001	-30/-20	66	700	0.999	0.998							
n _F	486.13	1.65936	Thermal Properties		-20/-10	67	650	0.999	0.998							
n _{F'}	479.99	1.66000			T _g (°C)	645	-10/0	68	600	0.999	0.998					
n _g	435.84	1.66538			T _s (°C)	678	0/10	69	550	0.999	0.998					
n _h	404.66	1.67035			T ₁₀ ^{14.5} (°C)	599	10/20	69	500	0.999	0.998					
n _i	365.01	1.67888			T ₁₀ ¹³ (°C)	637	20/30	70	480	0.999	0.998					
			α _{-50/80°C} (10 ⁻⁷ /K)	71	30/40	70	460	0.999	0.998							
			α _{100/300°C} (10 ⁻⁷ /K)	85	40/50	71	440	0.999	0.998							
			λ	0.88	50/60	71	420	0.999	0.995							
					60/70	72	400	0.999	0.990							
Constants of Dispersion Formula			Mechanical Properties		70/80	72	390	0.997	0.984							
					80/90	73	380	0.994	0.977							
A ₀	2.68453878E+00	90/100			74	370	0.990	0.965								
A ₁	-1.26814449E-02	100/110			75	360	0.979	0.942								
A ₂	1.44610782E-02	110/120			75	350	0.954	0.895								
A ₃	9.42717786E-04	E (GPa)	100.7	120/130	76	340	0.925	0.840								
A ₄	-1.06540589E-04	G (GPa)	39.5	130/140	78	330	0.879	0.757								
A ₅	6.04608965E-06	μ	0.275	140/150	78	320	0.813	0.646								
Density		Solarization		B (10 ⁻¹² /Pa)	1.84	150/160	79	310	0.726	0.516						
ρ (g/cm ³)	3.54	Δλ (%)	-0.6					300	0.621	0.379						
Range of Temperature (°C)	Temperature Coefficients of Refractive Index										290	0.508	0.254			
	dn/dt relative (×10 ⁻⁶ / °C)										280	0.391	0.152			
	t	s	C	C'	He-Ne	d	e	F	F'	g						
	-60 ~ -40	1.1	1.3	1.5	1.5	1.6	1.6	1.8	2.0	2.1	2.3					
	-40 ~ -20	1.2	1.4	1.5	1.5	1.6	1.7	1.8	2.0	2.0	2.3					
	-20 ~ 0	1.1	1.4	1.5	1.6	1.6	1.6	1.8	2.0	2.0	2.3					
	0 ~ 20	1.1	1.4	1.5	1.5	1.5	1.6	1.8	2.1	2.1	2.4					
	20 ~ 40	1.1	1.4	1.5	1.5	1.5	1.7	1.9	2.1	2.1	2.4					
	40 ~ 60	1.2	1.4	1.6	1.6	1.6	1.7	2.0	2.2	2.2	2.6					
	60 ~ 80	1.3	1.5	1.7	1.7	1.7	1.8	2.0	2.3	2.4	2.8					
80 ~ 100	1.3	1.6	1.8	1.8	1.8	2.0	2.1	2.5	2.6	2.8						
100 ~ 120	1.4	1.7	1.9	1.9	1.9	2.1	2.3	2.7	2.8	3.1						
120 ~ 140	1.5	1.8	2.0	2.0	2.0	2.1	2.3	2.9	3.0	3.1						
140 ~ 160	1.6	1.9	2.1	2.1	2.1	2.2	2.5	3.0	3.1	3.4						
											Coloration Code					
											λ ₈₀ (λ ₇₀)/λ ₅		350/270			
											Coloration of Internal Transmittance					
											λτ ₈₀ /λτ ₅		334/268			
											Constants of dn/dt					
											D ₀		D ₁		D ₂	
											-1.09E-06		1.12E-08		-1.28E-11	
											E ₀		E ₁		λ _{TK}	
											4.09E-07		6.89E-10		1.94E-01	