

H-ZLaF50C	804466	$n_d = 1.80400$	$v_d = 46.58$	$n_F - n_C = 0.017262$
		$n_e = 1.80811$	$v_e = 46.33$	$n_F - n_C' = 0.017443$

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		$P_{d,C}$	0.3001	RC (S)	1	2400	0.869	0.755
n_{1970}	1970.09		$P_{e,d}$	0.2381	RA (S)	1	2200	0.966	0.932
n_{1530}	1529.58		$P_{g,F}$	0.5590	D_W	1	2000	0.988	0.975
n_{1129}	1128.64	1.78309	$P'_{d,c'}$	0.2500	D_A	3	1800	0.996	0.993
n_{1064}	1064.00	1.78441	$P'_{e,d}$	0.2356	$R_{OH}(S)$	1	1600	0.999	0.998
n_t	1013.98	1.78552	$P'_{g,F'}$	0.4965	RP (S)	1	1400	0.999	0.998
n_s	852.11	1.78993			CR	1	1200	0.999	0.998
$n_{A'}$	768.19	1.79303	Deviation of Relative Partial Dispersions		Expansion Coefficient $\alpha (\times 10^{-7}/K)$		1060	0.999	0.998
n_r	706.52	1.79590					1000	0.999	0.998
n_C	656.27	1.79882					950	0.999	0.998
$n_{C'}$	643.85	1.79964					900	0.999	0.998
n_{He-Ne}	632.80	1.80040					850	0.999	0.998
n_D	589.29	1.80386	ΔP_{Fe}	-0.0028	$^{\circ}C$	α	800	0.999	0.998
n_d	587.56	1.80400	$\Delta P_{g,F}$	-0.0072	-50/-40	58	750	0.999	0.998
n_e	546.07	1.80811	$\Delta P_{C,t}$	0.0047	-40/-30	59	700	0.999	0.998
n_F	486.13	1.81608	$\Delta P_{C,s}$	0.0028	-30/-20	60	650	0.999	0.998
$n_{F'}$	479.99	1.81707	Thermal Properties		-20/-10	60	600	0.999	0.998
n_g	435.84	1.82573	$T_g (^{\circ}C)$	694	-10/0	64	550	0.999	0.998
n_h	404.66	1.83385	$T_s (^{\circ}C)$	721	0/10	65	500	0.998	0.997
n_i	365.01	1.84795	$T_{10}^{14.5} (^{\circ}C)$	625	10/20	65	480	0.998	0.996
			$T_{10}^{13} (^{\circ}C)$	669	20/30	66	460	0.997	0.994
			$\alpha_{-50/80^{\circ}C} (10^{-7}/K)$	64	30/40	66	440	0.995	0.990
			$\alpha_{100/300^{\circ}C} (10^{-7}/K)$	79	40/50	66	420	0.993	0.986
			$\lambda (W/(m\ K))$	0.85	50/60	69	400	0.987	0.975
					60/70	70	390	0.981	0.963
					70/80	70	380	0.971	0.942
			Mechanical Properties		80/90	70	370	0.949	0.900
			HK (10^7Pa)	712	90/100	72	360	0.899	0.808
			F_A	116	100/110	73	350	0.778	0.606
			E (GPa)	122.0	110/120	74	340	0.533	0.284
			G (GPa)	47.0	120/130	76	330	0.195	0.038
			μ	0.299	130/140	77	320		
			σ_b (MPa)	119	140/150	77	310		
			B ($10^{-12}/Pa$)		150/160	78	300		

Constants of Dispersion Formula	
A_0	3.17409614E+00
A_1	-1.33203094E-02
A_2	2.81374701E-02
A_3	2.83359178E-04
A_4	4.54411400E-05
A_5	-1.18800392E-06

Density		Solarization	
$\rho (g/cm^3)$	4.49	$\Delta\lambda$ (%)	-0.7

Range of Temperature $(^{\circ}C)$	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	3.3	3.6	3.9	4.0	4.1	4.4	4.6	5.1	5.3	5.6
-40 ~ -20	3.3	3.6	3.9	4.0	4.1	4.4	4.5	5.2	5.4	5.6
-20 ~ 0	3.3	3.7	4.0	4.0	4.1	4.3	4.5	5.3	5.4	5.6
0 ~ 20	3.4	3.6	4.0	4.1	4.2	4.4	4.6	5.3	5.5	5.6
20 ~ 40	3.3	3.6	4.1	4.2	4.3	4.4	4.7	5.3	5.4	5.7
40 ~ 60	3.4	3.7	4.2	4.2	4.3	4.5	4.8	5.3	5.5	5.9
60 ~ 80	3.4	3.8	4.3	4.3	4.4	4.6	4.9	5.5	5.7	6.0
80 ~ 100	3.5	3.9	4.4	4.5	4.6	4.7	4.9	5.6	5.7	6.2
100 ~ 120	3.6	4.1	4.5	4.6	4.7	4.7	5.1	5.7	5.8	6.3
120 ~ 140	3.7	4.2	4.6	4.7	4.8	4.8	5.2	5.7	5.9	6.5
140 ~ 160	3.8	4.3	4.6	4.7	4.8	4.9	5.3	5.9	6.1	6.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	380/335
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	359/331

Constants of dn/dt		
D_0	D_1	D_2
1.90E-06	1.15E-08	-1.71E-11
E_0	E_1	λ_{TK}
8.52E-07	3.28E-10	2.15E-02