

H-ZLaF55B	835427	$n_d = 1.83480$	$v_d = 42.73$	$n_F - n_C = 0.019536$
		$n_e = 1.83944$	$v_e = 42.47$	$n_{F'} - n_{C'} = 0.019763$

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		$P_{d,C}$	0.2979	RC (S)	1	2400	0.878	0.767
n_{1970}	1970.09		$P_{e,d}$	0.2375	RA (S)	1	2200	0.962	0.923
n_{1530}	1529.58		$P_{g,F}$	0.5661	D_W	1	2000	0.982	0.965
n_{1129}	1128.64	1.81180	$P'_{d,c'}$	0.2484	D_A	3	1800	0.994	0.986
n_{1064}	1064.00	1.81318	$P'_{e,d}$	0.2348	$R_{OH}(S)$	1	1600	0.998	0.995
n_t	1013.98	1.81435	$P'_{g,F'}$	0.5014	RP (S)	1	1400	0.998	0.996
n_s	852.11	1.81911			CR	1	1200	0.999	0.998
$n_{A'}$	768.19	1.82252	Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1060	0.999	0.998
n_r	706.52	1.82573					1000	0.999	0.998
n_C	656.27	1.82898					950	0.999	0.998
$n_{C'}$	643.85	1.82989					900	0.999	0.998
n_{He-Ne}	632.80	1.83075	$P_{F,e}$	-0.0023	$^{\circ}C$	α	850	0.999	0.998
n_D	589.29	1.83462	$P_{g,F}$	-0.0065	-50/-40	59	800	0.999	0.998
n_d	587.56	1.83480	$P_{C,t}$	0.0017	-40/-30	60	750	0.999	0.998
n_e	546.07	1.83944	$P_{C,s}$	0.0023	-30/-20	60	700	0.999	0.998
n_F	486.13	1.84851	Thermal Properties		-20/-10	62	650	0.999	0.998
$n_{F'}$	479.99	1.84966			-10/0	63	600	0.999	0.998
n_g	435.84	1.85957	T_g ($^{\circ}C$)	701	0/10	63	550	0.999	0.998
n_h	404.66	1.86898	T_s ($^{\circ}C$)	745	10/20	65	500	0.998	0.995
n_i	365.01	1.88548	$T_{10}^{14.5}$ ($^{\circ}C$)	635	20/30	66	480	0.997	0.993
			T_{10}^{13} ($^{\circ}C$)	682	30/40	67	460	0.995	0.990
			$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	64	40/50	68	440	0.992	0.984
			$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	80	50/60	68	420	0.987	0.974
			λ (W/(m·K))	0.94	60/70	69	400	0.978	0.957
					70/80	70	390	0.969	0.939
			Mechanical Properties		80/90	71	380	0.956	0.913
					90/100	72	370	0.929	0.863
			HK (10^7Pa)	733	100/110	73	360	0.869	0.753
			F_A	135	110/120	73	350	0.712	0.504
			E (GPa)	122.3	120/130	74	340	0.409	0.168
			G (GPa)	46.6	130/140	76	330		
			μ	0.313	140/150	77	320		
			σ_b (MPa)	135	150/160	77	310		
			B ($10^{-12}/Pa$)	1.15			300		
							290		
							280		

Constants of Dispersion Formula	
A_0	3.27268654E+00
A_1	-1.24121074E-02
A_2	3.25240977E-02
A_3	2.80005824E-04
A_4	6.56199252E-05
A_5	-1.14502008E-06

Density		Solarization	
ρ (g/cm ³)	4.62	$\triangle\lambda$ (%)	-0.8

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	2.3	2.5	3.0	3.1	3.1	3.4	3.7	4.3	4.4	5.1
-40 ~ -20	2.4	2.6	3.1	3.1	3.2	3.5	3.7	4.3	4.4	5.1
-20 ~ 0	2.5	2.7	3.2	3.3	3.4	3.6	3.9	4.5	4.5	5.2
0 ~ 20	2.7	2.9	3.4	3.5	3.5	3.8	4.1	4.6	4.7	5.4
20 ~ 40	3.0	3.2	3.7	3.7	3.8	4.0	4.3	4.8	4.9	5.6
40 ~ 60	3.2	3.4	3.9	3.9	4.0	4.2	4.5	5.0	5.1	5.8
60 ~ 80	3.4	3.6	4.1	4.2	4.2	4.4	4.7	5.3	5.3	6.0
80 ~ 100	3.7	3.9	4.3	4.4	4.5	4.7	4.9	5.5	5.5	6.2
100 ~ 120	3.9	4.1	4.6	4.6	4.7	4.9	5.1	5.7	5.7	6.3
120 ~ 140	4.1	4.3	4.8	4.8	4.9	5.1	5.3	5.8	5.9	6.5
140 ~ 160	4.3	4.5	5.0	5.0	5.1	5.3	5.5	6.0	6.1	6.6

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	390/335
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	363/334

Constants of dn/dt		
D_0	D_1	D_2
1.17E-06	1.86E-08	-1.96E-11
E_0	E_1	λ_{TK}
6.71E-07	-3.97E-10	1.98E-01