

D-ZLaF50	801455	$n_d = 1.80139$	$v_d = 45.45$	$n_F - n_C = 0.017632$
		$n_e = 1.80558$	$v_e = 45.21$	$n_F - n_C = 0.017820$

Refractive Indices			Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance		
	λ (nm)	n_λ					λ (nm)	τ_{5mm}	τ_{10mm}
n_{2325}	2325.42	1.75922	$P_{d,C}$	0.3000	RC (S)	1	2400	0.510	0.260
n_{1970}	1970.09	1.76581	$P_{e,d}$	0.2376	RA (S)	3	2200	0.866	0.750
n_{1530}	1529.58	1.77320	$P_{g,F}$	0.5603	D_w	1	2000	0.940	0.884
n_{1129}	1128.64	1.78019	$P'_{d,c}$	0.2497	D_A	3	1800	0.983	0.966
n_{1064}	1064.00	1.78152	$P'_{e,d}$	0.2351	$R_{OH}(S)$	1	1600	0.996	0.992
n_t	1013.98	1.78264	$P'_{g,F}$	0.4966	RP (S)	1	1400	0.999	0.998
n_s	852.11	1.78708			CR		1200	0.999	0.998
$n_{A'}$	768.19	1.79022	Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1060	0.999	0.998
n_f	706.52	1.79314	$\Delta P_{F,e}$	-0.0029	$^{\circ}C$	α	1000	0.999	0.998
n_C	656.27	1.79610	$\Delta P_{g,F}$	-0.0078	-50/-40	53	950	0.999	0.998
$n_{C'}$	643.85	1.79694	$\Delta P_{C,t}$	0.0030	-40/-30	56	900	0.999	0.998
n_{He-Ne}	632.80	1.79771	$\Delta P_{C,s}$	0.0021	-30/-20	56	850	0.999	0.998
n_D	589.29	1.80122	Thermal Properties		-20/-10	58	800	0.999	0.998
n_d	587.56	1.80139	T_g ($^{\circ}C$)	599	0/10	61	750	0.999	0.998
n_e	546.07	1.80558	T_s ($^{\circ}C$)	642	10/20	62	700	0.999	0.998
n_F	486.13	1.81373	$T_{10}^{14.5}$ ($^{\circ}C$)	579	20/30	63	650	0.999	0.998
$n_{F'}$	479.99	1.81476	T_{10}^{13} ($^{\circ}C$)	595	30/40	65	600	0.999	0.998
n_g	435.84	1.82361	$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	62	40/50	66	550	0.999	0.998
n_h	404.66	1.83193	$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	77	50/60	66	500	0.998	0.997
n_i	365.01	1.84640	λ (W/(m K))	0.79	60/70	67	480	0.997	0.995
			β_d	140	70/80	69	460	0.996	0.992
			Mechanical Properties		80/90	69	440	0.995	0.990
			HK ($10^7 Pa$)	651	90/100	69	420	0.993	0.986
			F_A	71	100/110	69	400	0.989	0.978
			E (GPa)	121.1	110/120	70	390	0.985	0.971
			G (GPa)	46.1	120/130	70	380	0.978	0.957
			μ	0.314	130/140	72	370	0.967	0.935
			σ_b (MPa)	106	140/150	73	360	0.945	0.893
			B ($10^{-12}/Pa$)	1.74	150/160	75	350	0.904	0.817
							340	0.816	0.666
							330	0.630	0.397
							320	0.318	0.101
							310	0.095	0.009
							300		
							290		
							280		

Constants of Dispersion Formula	
A_0	3.16516554E+00
A_1	-1.39269813E-02
A_2	2.68932250E-02
A_3	8.75538542E-04
A_4	-3.52600431E-05
A_5	3.03103679E-06

Density	Solarization
ρ (g/cm^3)	$\Delta\lambda$ (%)
4.81	-0.5

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	4.0	4.4	4.7	4.8	4.9	5.0	5.2	5.3	5.5	5.8
-40 ~ -20	4.2	4.6	4.8	4.9	5.0	5.2	5.4	5.5	5.6	6.0
-20 ~ 0	4.4	4.7	4.9	5.0	5.1	5.3	5.6	5.7	5.8	6.4
0 ~ 20	4.4	4.8	5.2	5.3	5.4	5.5	5.9	5.9	6.0	6.5
20 ~ 40	4.5	5.0	5.4	5.5	5.6	5.7	6.1	6.1	6.1	6.9
40 ~ 60	4.5	5.1	5.5	5.6	5.6	5.7	6.1	6.3	6.4	7.2
60 ~ 80	4.6	5.3	5.6	5.7	5.8	6.0	6.3	6.5	6.6	7.3
80 ~ 100	4.6	5.4	5.8	5.9	6.0	6.2	6.4	6.7	6.8	7.4
100 ~ 120	4.8	5.7	6.0	6.1	6.2	6.3	6.5	6.9	7.0	7.6
120 ~ 140	5.0	5.8	6.2	6.2	6.3	6.4	6.7	7.1	7.2	7.9
140 ~ 160	5.2	5.8	6.2	6.3	6.4	6.5	6.9	7.3	7.4	8.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	375/320
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	349/316

Constants of dn/dt		
D_0	D_1	D_2
4.18E-06	1.42E-08	-2.67E-11
E_0	E_1	λ_{TK}
6.65E-07	9.25E-10	1.82E-08