

H-ZF7L		805255		$n_d = 1.80518$		$v_d = 25.46$		$n_F - n_C = 0.031630$		
				$n_e = 1.81263$		$v_e = 25.25$		$n_{F'} - n_{C'} = 0.032180$		
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance		
	λ (nm)	n_λ		$P_{d,C}$	0.2868	RC (S)	1	λ (nm)	τ_{5mm}	τ_{10mm}
n_{2325}	2325.42	1.74928		$P_{e,d}$	0.2355	RA (S)	1	2400	0.927	0.863
n_{1970}	1970.09	1.75560		$P_{g,F}$	0.6156	D_W	1	2200	0.960	0.920
n_{1530}	1529.58	1.76321		$P'_{d,c'}$	0.2380	D_A	1	2000	0.979	0.956
n_{1129}	1128.64	1.77158		$P'_{e,d}$	0.2315	R_{OH} (S)	1	1800	0.987	0.976
n_{1064}	1064.00	1.77339		$P'_{g,F'}$	0.5441	RP (S)	1	1600	0.998	0.996
n_t	1013.98	1.77494		Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1400	0.998	0.996
n_s	852.11	1.78150						$\Delta P_{F,e}$	0.0016	$^{\circ}C$
$n_{A'}$	768.19	1.78642		$\Delta P_{g,F}$	0.0142	-50/-40	80	1060	0.998	0.996
n_r	706.52	1.79118		$\Delta P_{C,t}$	0.0058	-40/-30	82	1000	0.998	0.996
n_C	656.27	1.79611		$\Delta P_{C,s}$	0.0004	-30/-20	85	950	0.998	0.996
$n_{C'}$	643.85	1.79752		Thermal Properties		-20/-10	87	900	0.998	0.996
n_{He-Ne}	632.80	1.79883				Tg ($^{\circ}C$)	606	-10/0	89	850
n_D	589.29	1.80491		Ts ($^{\circ}C$)	636	0/10	90	800	0.998	0.997
n_d	587.56	1.80518		$T_{10}^{14.5}$ ($^{\circ}C$)	565	10/20	91	750	0.998	0.997
n_e	546.07	1.81263		T_{10}^{13} ($^{\circ}C$)	581	20/30	92	700	0.998	0.997
n_F	486.13	1.82774		$\alpha_{50/80^{\circ}C}$ ($10^{-7}/K$)	88	30/40	92	650	0.998	0.996
$n_{F'}$	479.99	1.82970		$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	109	40/50	93	600	0.998	0.997
n_g	435.84	1.84721		λ (W/(m·K))	0.99	50/60	93	550	0.997	0.995
n_h	404.66	1.86480		Mechanical Properties		60/70	94	500	0.994	0.988
n_i	365.01	1.89846				HK (10^7Pa)	523	70/80	95	480
Constants of Dispersion Formula				Thermal Properties		80/90	95	460	0.989	0.979
A_0	3.11898504E+00					Tg ($^{\circ}C$)	606	90/100	97	440
A_1	-1.24052596E-02			Ts ($^{\circ}C$)	636	100/110	98	420	0.974	0.948
A_2	4.32862244E-02			$T_{10}^{14.5}$ ($^{\circ}C$)	565	110/120	99	400	0.946	0.894
A_3	2.26049835E-03			T_{10}^{13} ($^{\circ}C$)	581	120/130	100	390	0.906	0.821
A_4	-7.69462999E-05			$\alpha_{50/80^{\circ}C}$ ($10^{-7}/K$)	88	130/140	102	380	0.799	0.638
A_5	2.11453139E-05			$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	109	140/150	102	370	0.527	0.278
Density				Mechanical Properties		150/160	103	360	0.148	0.022
ρ (g/cm ³)	3.38					μ	0.296	Coloration Code		Coloration of Internal Transmittance
Solarization				σ_b (MPa)	77	$\lambda_{80}(\lambda_{70})/\lambda_5$				
$\Delta\lambda$ (%)		-0.6		B ($10^{-12}/Pa$)	2.67			$\lambda\tau_{80}/\lambda\tau_5$		388/361
Temperature Coefficients of Refractive Index				Constants of dn/dt		D_0	D_1			
Range of Temperature ($^{\circ}C$)	dn/dt relative ($\times 10^{-6} / ^{\circ}C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60~-40	-0.8	-0.2	0.2	0.3	0.4	0.6	1.2	2.4	2.5	3.7
-40~-20	-0.8	-0.1	0.3	0.4	0.4	0.7	1.3	2.5	2.6	4.0
-20~0	-0.8	-0.1	0.3	0.4	0.5	0.8	1.4	2.6	2.7	4.3
0~20	-0.8	-0.1	0.3	0.4	0.5	0.9	1.5	2.9	3.0	4.7
20~40	-0.8	-0.1	0.4	0.5	0.6	1.0	1.6	3.0	3.1	5.0
40~60	-0.7	0.1	0.5	0.6	0.7	1.1	1.8	3.3	3.4	5.3
60~80	-0.7	0.1	0.7	0.8	0.9	1.3	2.0	3.6	3.7	5.7
80~100	-0.6	0.2	0.9	1.0	1.1	1.5	2.1	3.8	3.9	5.9
100~120	-0.4	0.3	1.0	1.1	1.2	1.7	2.3	4.0	4.1	6.1
120~140	-0.3	0.4	1.1	1.2	1.3	1.8	2.4	4.2	4.3	6.4
140~160	-0.2	0.5	1.2	1.3	1.4	2.0	2.6	4.5	4.6	6.7
Density				Constants of dn/dt		E_0	E_1	λ_{TK}		
ρ (g/cm ³)	3.38					9.79E-07	1.08E-09	2.95E-01		