

D-ZK2N		587596		$n_d = 1.58700$		$v_d = 59.59$		$n_F - n_C = 0.009850$			
				$n_e = 1.58935$		$v_e = 59.35$		$n_{F'} - n_{C'} = 0.009930$			
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)			Internal Transmittance		
	λ (nm)	n_λ		$P_{d,C}$	0.3056	RC (S)	1		λ (nm)	τ_{5mm}	τ_{10mm}
n_{2325}	2325.42	1.55732		$P_{e,d}$	0.2386	RA (S)	3		2400	0.920	0.831
n_{1970}	1970.09	1.56289		$P_{g,F}$	0.5421	D_W	1		2200	0.962	0.909
n_{1530}	1529.58	1.56892		$P'_{d,c'}$	0.2538	D_A	3		2000	0.990	0.980
n_{1129}	1128.64	1.57412		$P'_{e,d}$	0.2367	R_{OH} (S)	2		1800	0.999	0.998
n_{1064}	1064.00	1.57504		$P'_{g,F'}$	0.4804	RP (S)	2		1600	0.999	0.998
n_t	1013.98	1.57579		Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)			1400	0.999	0.998
n_s	852.11	1.57863							$\Delta P_{F,e}$	-0.0015	$^\circ C$
$n_{A'}$	768.19	1.58054		$\Delta P_{g,F}$	-0.0025	-50/-40	64	1060	0.999	0.998	
n_r	706.52	1.58228		$\Delta P_{C,t}$	0.0036	-40/-30	67	1000	0.999	0.998	
n_C	656.27	1.58399		$\Delta P_{C,s}$	0.0007	-30/-20	70	950	0.999	0.998	
$n_{C'}$	643.85	1.58448		Thermal Properties		-20/-10	71	900	0.999	0.998	
n_{He-Ne}	632.80	1.58492				Tg ($^\circ C$)	507	-10/0	72	850	0.999
n_D	589.29	1.58691		Ts ($^\circ C$)	548	0/10	73	800	0.999	0.998	
n_d	587.56	1.58700		$T_{10}^{14.5}$ ($^\circ C$)	448	10/20	74	750	0.999	0.998	
n_e	546.07	1.58935		T_{10}^{13} ($^\circ C$)	485	20/30	75	700	0.999	0.998	
n_F	486.13	1.59384		$\alpha_{.50/80^\circ C}$ ($10^{-7}/K$)	72	30/40	76	650	0.999	0.998	
$n_{F'}$	479.99	1.59441		$\alpha_{100/300^\circ C}$ ($10^{-7}/K$)	92	40/50	76	600	0.999	0.998	
n_g	435.84	1.59918		λ (W/(m·K))	1.09	50/60	77	550	0.999	0.998	
n_h	404.66	1.60364		β_d	90	60/70	77	500	0.999	0.998	
n_i	365.01	1.61145		Mechanical Properties		70/80	78	480	0.999	0.998	
Constants of Dispersion Formula						HK ($10^7 Pa$)	570	80/90	79	460	0.999
				A_0	2.48098765E+00			F_A	107	90/100	79
A_1	-1.07611097E-02			E (GPa)	91.6	100/110	80	420	0.999	0.998	
A_2	1.30595297E-02			G (GPa)	36.9	110/120	82	400	0.999	0.998	
A_3	5.70453194E-04			μ	0.242	120/130	83	390	0.999	0.998	
A_4	-6.87445031E-05			σ_b (MPa)	82	130/140	84	380	0.999	0.998	
A_5	5.08145529E-06			B ($10^{-12}/Pa$)	2.11	140/150	85	370	0.994	0.990	
Density		Solarization		Temperature Coefficients of Refractive Index		dn/dt relative ($\times 10^{-6} / ^\circ C$)					
ρ (g/cm ³)	2.98		$\Delta\lambda$ (%)								
Range of Temperature ($^\circ C$)											
	t	s	C	C'	He-Ne	d	e	F	F'	g	
-60~-40	3.7	4.0	4.0	4.0	4.1	4.2	4.3	4.6	4.7	5.1	
-40~-20	3.7	4.0	4.1	4.1	4.1	4.3	4.4	4.7	4.7	5.1	
-20~0	3.7	4.1	4.1	4.1	4.1	4.3	4.4	4.7	4.7	5.1	
0~20	3.7	4.1	4.1	4.2	4.1	4.3	4.4	4.7	4.7	5.1	
20~40	3.7	4.1	4.2	4.2	4.2	4.4	4.5	4.7	4.7	5.1	
40~60	3.7	4.1	4.2	4.2	4.2	4.4	4.6	4.7	4.7	5.1	
60~80	3.7	4.1	4.2	4.2	4.2	4.4	4.7	4.8	4.8	5.2	
80~100	3.7	4.1	4.2	4.3	4.2	4.5	4.8	4.8	4.9	5.2	
100~120	3.7	4.0	4.2	4.3	4.2	4.5	4.8	4.9	4.9	5.2	
120~140	3.8	4.0	4.2	4.3	4.2	4.5	4.8	4.9	4.9	5.3	
140~160	3.8	4.1	4.3	4.3	4.2	4.5	4.8	4.9	5.0	5.4	
Coloration Code											
$\lambda_{80}(\lambda_{70})/\lambda_5$								335/280			
Coloration of Internal Transmittance											
$\lambda\tau_{80}/\lambda\tau_5$								323/275			
Constants of dn/dt											
D_0			D_1			D_2					
4.43E-06			1.18E-08			-2.81E-11					
E_0			E_1			λ_{TK}					
4.55E-07			3.17E-10			1.75E-01					