

H-ZF12		762266		$n_d = 1.76182$		$v_d = 26.61$		$n_F - n_C = 0.028631$							
				$n_e = 1.76857$		$v_e = 26.39$		$n_{F'} - n_{C'} = 0.029118$							
Refractive Indices				Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance							
	λ (nm)	n_λ		$P_{d,C}$	0.2875	RC (S)	1	λ (nm)	τ_{5mm}	τ_{10mm}					
n_{2325}	2325.42	1.70927		$P_{e,d}$	0.2358	RA (S)	1	2400	0.935	0.874					
n_{1970}	1970.09	1.71556		$P_{g,F}$	0.6123	D_W	1	2200	0.956	0.914					
n_{1530}	1529.58	1.72304		$P'_{d,c'}$	0.2387	D_A	1	2000	0.979	0.958					
n_{1129}	1128.64	1.73106		$P'_{e,d}$	0.2318	R_{OH} (S)	1	1800	0.986	0.972					
n_{1064}	1064.00	1.73276		$P'_{g,F'}$	0.5412	RP (S)	1	1600	0.995	0.990					
n_t	1013.98	1.73422		Deviation of Relative Partial Dispersions		Expansion Coefficient α ($\times 10^{-7}/K$)		1400	0.998	0.996					
n_s	852.11	1.74028						$\Delta P_{F,e}$	0.0012	$^\circ C$	α	1200	0.998	0.996	
$n_{A'}$	768.19	1.74478		$\Delta P_{g,F}$	0.0129	-50/-40	76	1060	0.998	0.996					
n_r	706.52	1.74912		$\Delta P_{C,t}$	0.0075	-40/-30	78	1000	0.998	0.996					
n_C	656.27	1.75359		$\Delta P_{C,s}$	0.0006	-30/-20	81	950	0.998	0.996					
$n_{C'}$	643.85	1.75487		Thermal Properties		-20/-10	82	900	0.998	0.996					
n_{He-Ne}	632.80	1.75608				Tg ($^\circ C$)	618	-10/0	83	850	0.998	0.996			
n_D	589.29	1.76157		Ts ($^\circ C$)	651	0/10	84	800	0.998	0.996					
n_d	587.56	1.76182		$T_{10}^{14.5}$ ($^\circ C$)	544	10/20	84	750	0.998	0.996					
n_e	546.07	1.76857		T_{10}^{13} ($^\circ C$)	590	20/30	85	700	0.998	0.996					
n_F	486.13	1.78222		$\alpha_{.50/80^\circ C}$ ($10^{-7}/K$)	85	30/40	86	650	0.998	0.996					
$n_{F'}$	479.99	1.78399		$\alpha_{100/300^\circ C}$ ($10^{-7}/K$)	106	40/50	86	600	0.998	0.996					
n_g	435.84	1.79975		λ (W/(m·K))	1.10	50/60	87	550	0.998	0.996					
n_h	404.66	1.81558		Mechanical Properties		60/70	88	500	0.995	0.990					
n_i	365.01	1.84562				70/80	89	70/80	89	480	0.991	0.982			
Constants of Dispersion Formula				Thermal Properties		Mechanical Properties		80/90	90	460	0.987	0.974			
								80/90	90	440	0.983	0.966			
A_0	2.98048977E+00			Thermal Properties		Mechanical Properties		90/100	91	420	0.969	0.939			
A_1	-1.22396125E-02							90/100	91	400	0.923	0.849			
A_2	3.91094110E-02			Thermal Properties		Mechanical Properties		100/110	92	390	0.849	0.718			
A_3	1.60680583E-03							100/110	92	380	0.711	0.508			
A_4	1.39107243E-06			Thermal Properties		Mechanical Properties		110/120	93	370	0.355	0.129			
A_5	1.34851004E-05							110/120	93	360					
Density				Solarization		Thermal Properties		Mechanical Properties		120/130	95	350			
										120/130	95	340			
ρ (g/cm ³)	3.16			Solarization		Thermal Properties		Mechanical Properties		130/140	96	330			
$\Delta\lambda$ (%)	-0.3									130/140	96	320			
Range of Temperature ($^\circ C$)				Solarization		Thermal Properties		Mechanical Properties		140/150	98	310			
										140/150	98	300			
Temperature Coefficients of Refractive Index				Solarization		Thermal Properties		Mechanical Properties		Coloration Code		$\lambda_{80}(\lambda_{70})/\lambda_5$		415/365	
												dn/dt relative ($\times 10^{-6} / ^\circ C$)		Coloration of Internal Transmittance	
t	s	C	C'	He-Ne	d	e	F	F'	g						
-60~-40	0.3	0.9	1.3	1.3	1.4	1.7	2.1	3.2	3.2	4.5					
-40~-20	0.3	0.9	1.4	1.4	1.5	1.7	2.2	3.3	3.3	4.7					
-20~0	0.3	1.0	1.4	1.4	1.5	1.9	2.2	3.5	3.5	4.9					
0~20	0.3	1.0	1.5	1.5	1.6	1.9	2.4	3.8	3.8	5.2					
20~40	0.3	1.0	1.5	1.5	1.6	1.9	2.5	3.8	3.8	5.5					
40~60	0.4	1.1	1.6	1.6	1.6	2.2	2.6	4.1	4.1	5.8					
60~80	0.4	1.3	1.8	1.8	1.8	2.3	2.8	4.3	4.3	6.1					
80~100	0.4	1.3	1.9	1.9	1.9	2.4	3.0	4.5	4.5	6.3					
100~120	0.6	1.4	2.0	2.0	2.0	2.6	3.2	4.8	4.8	6.5					
120~140	0.8	1.6	2.2	2.2	2.3	2.8	3.4	5.0	5.0	6.7					
140~160	1.0	1.8	2.3	2.4	2.5	3.1	3.6	5.3	5.3	7.0					
				Constants of dn/dt		Constants of dn/dt		Constants of dn/dt		Constants of dn/dt		Constants of dn/dt		Constants of dn/dt	
				D_0		D_1		D_2		D_0		D_1		D_2	
				-2.98E-06		1.11E-08		-1.51E-11		E ₀		E ₁		λ_{TK}	
				9.37E-07		9.52E-10		2.89E-01		9.37E-07		9.52E-10		2.89E-01	