

D-ZF93-25			000207			n _d = 1.999800		v _d = 20.69		n _F - n _C = 0.048331		
						n _e = 2.011137		v _e = 20.51		n _{F'} - n _{C'} = 0.049298		
折射率 Refractive Index**			相对部分色散 Relative Partial Dispersions				内部透射率 Internal Transmittance T					
	λ (nm)		P _{s,t}	0.1922	P' _{s,t}	0.1885	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.923233	P _{C,s}	0.4425	P' _{C',s}	0.4764	2400	0.854	0.730			
n _{1970.09}	1970.09	1.930761	P _{d,C}	0.2817	P' _{d,C'}	0.2336	2200	0.947	0.896			
n _{1529.58}	1529.58	1.939978	P _{e,d}	0.2346	P' _{e,d}	0.2300	2000	0.981	0.962			
n _{1060.0}	1060.0	1.953517	P _{g,F}	0.6387	P' _{g,F'}	0.5640	1800	0.992	0.985			
n _t	1013.98	1.955507	P _{i,h}		P' _{i,h}		1600	0.997	0.994			
n _s	852.11	1.964798	异常色散 Abnormal Dispersions				1400	0.998	0.996			
n _r	706.52	1.978883	ΔP _{C,t}	-0.0090	ΔP _{C,s}	-0.0082	1200	0.999	0.998			
n _C	656.27	1.986183	ΔP _{F,e}	0.0055	ΔP _{g,F}	0.0283	1060	0.999	0.998			
n _{C'}	643.85	1.988285					1000	0.998	0.997			
n _{He-Ne}	632.8	1.990272					950	0.998	0.997			
n _D	589.29	1.999388					900	0.998	0.996			
n _d	587.56	1.999800	着色度 Color Code				850	0.997	0.995			
n _e	546.07	2.011137	λ ₈₀ /λ ₅				800	0.995	0.990			
n _F	486.13	2.034514	λ ₇₀ /λ ₅		470/405		700	0.994	0.989			
n _{F'}	479.99	2.037583					650	0.994	0.988			
n _g	435.83	2.065385					600	0.993	0.986			
n _h	404.66						550	0.988	0.976			
n _i	365.01		热性质 Thermal Properties				500	0.958	0.918			
n _{313.18}	313.18		T _g (°C)		439		480	0.927	0.859			
n _{302.15}	302.15		T _s (°C)		462		460	0.869	0.755			
			T ₁₀ ^{14.5} (°C)		408		440	0.758	0.575			
			T ₁₀ ¹³ (°C)		428		420	0.530	0.281			
			T ₁₀ ^{7.6} (°C)		496		400	0.134	0.018			
色散公式常数 Constants of Dispersion Formula			α _{30/70°C} (10 ⁻⁷ /K)		78		390					
K ₁	1.43302280E+00		α _{100/300°C} (10 ⁻⁷ /K)		94		380					
L ₁	1.01185435E+02		λ[W/(m·K)]				370					
K ₂	2.13630545E+00						360					
L ₂	1.38161232E-02						350					
K ₃	6.30184037E-01		化学性质 Chemical Properties				340					
L ₃	6.58578450E-02				Grade		330					
折射率温度系数常数 Constants of dn/dt			D _w		1		320					
D ₀	1.28E-05		D _A		4		310					
D ₁	3.34E-08		CR		1		300					
D ₂	-1.53E-10		RC(S)		1		290					
E ₀	2.75E-06		RA(S)		4		280					
E ₁	2.52E-09											
λ _{TK} (μm)	0.299											
折射率温度系数 Temperature Coefficients of Refractive Index							机械性质 Mechanical Properties					
温度范围 (°C)			dn/dt relative(10⁻⁶/°C)						H _k (10 ⁷ Pa)		440	
Range of Temperature			t	C'	d	e	F'	g	F _A		250	
-60~-40									E (10 ⁷ Pa)		7795	
-40~-20			10.8	14.9	16.3	18.2	23.0	29.2	G (10 ⁷ Pa)		3073	
-20~0			12.1	16.2	18.0	20.1	24.5	31.4	μ		0.268	
0~20			12.1	16.7	18.7	20.8	26.3	32.5	B (10 ⁻¹² /Pa)		1.20	
20~40			13.9	18.0	20.4	22.5	28.1	35.1	其他性质 Other Properties			
40~60			13.9	19.1	20.5	22.4	28.2	35.1	ρ (g/cm ³)		6.11	
60~80			14.3	19.3	21.3	23.7	29.4	37.1	备注 Remarks			
80~100									**：退火速率 anneal rate 25°C/h			
100~120												
120~140												