

ZF7LTT			805255			n _d = 1.80518		v _d = 25.46		n _F - n _C = 0.031620	
						n _e = 1.81265		v _e = 25.27		n _{F'} - n _{C'} = 0.032161	
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}	0.2018	P' _{s,t}	0.1984	λ (nm)	τ (5mm)	τ (10mm)		
n _{2325.42}	2325.42		P _{C,s}	0.4583	P' _{C',s}	0.4944	2400	0.960	0.922		
n _{1970.09}	1970.09		P _{d,C}	0.2870	P' _{d,C'}	0.2384	2200	0.974	0.949		
n _{1529.58}	1529.58		P _{e,d}	0.2360	P' _{e,d}	0.2320	2000	0.988	0.975		
n _{1060.0}	1060.0		P _{g,F}	0.6097	P' _{g,F'}	0.5389	1800	0.993	0.985		
n _t	1013.98	1.77524	P _{i,h}		P' _{i,h}		1600	0.998	0.996		
n _s	852.11	1.78162	异常色散 Abnormal Dispersions				1400	0.999	0.997		
n _r	706.52	1.79120					ΔP _{C,t}	-0.0062	ΔP _{C,s}	-0.0037	1200
n _C	656.27	1.79611	ΔP _{F,e}	0.0015	ΔP _{g,F}	0.0074	1060	0.999	0.998		
n _{C'}	643.85	1.79752	着色度 Color Code				1000	0.999	0.998		
n _{He-Ne}	632.8	1.79885					λ ₈₀ /λ ₅	405/355		950	0.999
n _D	589.29	1.80491	λ ₇₀ /λ ₅			900	0.999	0.998			
n _d	587.56	1.80518	热性质 Thermal Properties				850	0.999	0.998		
n _e	546.07	1.81265					T _g (°C)	430		800	0.999
n _F	486.13	1.82773	T _s (°C)	465		700	0.999	0.998			
n _{F'}	479.99	1.82968	T ₁₀ ^{14.5} (°C)	383		650	0.999	0.998			
n _g	435.83	1.84701	T ₁₀ ¹³ (°C)	423		600	0.998	0.997			
n _h	404.66	1.86427	T ₁₀ ^{7.6} (°C)	549		550	0.998	0.997			
n _i	365.01	1.89697	α _{30/70°C} (10 ⁻⁷ /K)	79		500	0.998	0.996			
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)	91		480	0.996	0.993			
n _{302.15}	302.15		λ[W/(m·K)]			460	0.994	0.989			
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.992	0.984		
							A ₀	3.1172453E+00		Grade	420
A ₁	-9.7795868E-03		D _w	1		400	0.970	0.941			
A ₂	4.3175256E-02		D _A	4		390	0.948	0.899			
A ₃	2.5227958E-03		CR	1		380	0.894	0.800			
A ₄	-1.1739974E-04		RC(S)	1		370	0.754	0.569			
A ₅	2.0788116E-05		RA(S)	3		360	0.433	0.188			
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350				
							D ₀	5.35E-06		H _k (10 ⁷ Pa)	330
D ₁	1.94E-08		折射率温度系数 Temperature Coefficients of Refractive Index				F _A	143			
D ₂	-4.68E-11						温度范围 (°C)		dn/dt relative(10 ⁻⁶ /°C)		E (10 ⁷ Pa)
E ₀	1.77E-06		Range of Temperature	t	C'	d	e	F'	g	G (10 ⁷ Pa)	2237
E ₁	1.30E-09		-60~-40	4.3	6.2	7.8	8.5	10.6	12.9	μ	0.226
λ _{TK} (μm)	0.270		-40~-20	5.4	7.3	8.3	8.7	10.8	13.6	B (10 ⁻¹² /Pa)	0.66
			-20~0	5.7	8.2	8.6	9.7	11.8	14.6	其他性质 Other Properties	
			0~20	5.9	8.1	8.8	9.8	12.2	14.8		
			20~40	6.3	8.6	9.2	10.1	12.7	15.3	ρ (g/cm ³)	5.19
			40~60	6.5	8.7	9.6	10.7	13.2	16.0	备注 Remarks	
			60~80	6.5	8.8	10.0	10.9	13.4	16.4		
			80~100	6.6	9.1	10.1	10.9	13.6	16.6		
			100~120	6.8	9.5	10.5	11.6	14.1	17.4		
			120~140	7.0	9.6	11.0	12.1	14.6	17.8		