

BaF7			614400		n _d = 1.61413		v _d = 40.03		n _F - n _C = 0.015340	
					n _e = 1.61777		v _e = 39.75		n _{F'} - n _{C'} = 0.015542	
折射率 Refractive Index			相对部分色散 Relative Partial Dispersions				内部透过率 Internal Transmittance τ			
	λ (nm)		P _{s,t}		P' _{s,t}		λ (nm)	τ (5mm)	τ (10mm)	
n _{2325.42}	2325.42		P _{C,s}		P' _{C',s}		2400	0.946	0.894	
n _{1970.09}	1970.09		P _{d,C}	0.2952	P' _{d,C'}	0.2451	2200	0.955	0.912	
n _{1529.58}	1529.58		P _{e,d}	0.2373	P' _{e,d}	0.2342	2000	0.979	0.958	
n _{1060.0}	1060.0		P _{g,F}	0.5776	P' _{g,F'}	0.5109	1800	0.988	0.977	
n _t	1013.98		P _{i,h}		P' _{i,h}		1600	0.999	0.998	
n _s	852.11						1400	0.999	0.998	
n _r	706.52	1.60710	异常色散 Abnormal Dispersions				1200	0.999	0.998	
n _C	656.27	1.60960	ΔP _{C,t}		ΔP _{C,s}		1060	0.999	0.998	
n _{C'}	643.85	1.61032	ΔP _{F,e}	-0.0003	ΔP _{g,F}	0.0001	1000	0.999	0.998	
n _{He-Ne}	632.8	1.61098					950	0.999	0.998	
n _D	589.29	1.61400					900	0.998	0.997	
n _d	587.56	1.61413	着色度 Color Code				850	0.998	0.997	
n _e	546.07	1.61777	λ ₈₀ /λ ₅		360/330		800	0.997	0.995	
n _F	486.13	1.62494	λ ₇₀ /λ ₅				700	0.996	0.993	
n _{F'}	479.99	1.62586					650	0.996	0.993	
n _g	435.83	1.63380					600	0.996	0.993	
n _h	404.66	1.64142					550	0.996	0.993	
n _i	365.01	1.65512	热性质 Thermal Properties				500	0.995	0.991	
n _{313.18}	313.18		T _g (°C)		474		480	0.995	0.990	
n _{302.15}	302.15		T _s (°C)		550		460	0.994	0.988	
			T ₁₀ ^{14.5} (°C)		420		440	0.993	0.987	
			T ₁₀ ¹³ (°C)		467		420	0.992	0.985	
色散公式常数 Constants of Dispersion Formula			T ₁₀ ^{7.6} (°C)				400	0.989	0.979	
A ₀	2.5436416E+00		α _{30/70℃} (10 ⁻⁷ /K)		83		390	0.985	0.970	
A ₁	-8.6925216E-03		α _{100/300℃} (10 ⁻⁷ /K)		94		380	0.978	0.956	
A ₂	2.0049192E-02		λ[W/(m·K)]				370	0.970	0.940	
A ₃	8.9795352E-04						360	0.945	0.893	
A ₄	-4.9734473E-05						350	0.890	0.790	
A ₅	5.3556000E-06		化学性质 Chemical Properties				340	0.750	0.560	
					Grade		330	0.420	0.180	
折射率温度系数常数 Constants of dn/dt			D _W		1		320			
D ₀			D _A		1		310			
D ₁			CR		1		300			
D ₂			RC(S)		1		290			
E ₀			RA(S)		1		280			
E ₁										
λ _{TK} (μm)										
折射率温度系数 Temperature Coefficients of Refractive Index						机械性质 Mechanical Properties				
温度范围 (°C) Range of Temperature		dn/dt relative(10 ⁻⁶ /°C)				H _K (10 ⁷ Pa)		416		
		t	C'	d	e	F'	g	F _A	90	
-60~-40								E (10 ⁷ Pa)	6217	
-40~-20								G (10 ⁷ Pa)	2514	
-20~0								μ	0.237	
0~20								B (10 ⁻¹² /Pa)	2.81	
20~40										
40~60								其他性质 Other Properties		
60~80								ρ (g/cm ³)		3.56
80~100										
100~120								备注 Remarks		
120~140										