

ZBaF17			668419		n _d = 1.66755		v _d = 41.93		n _F - n _C = 0.015921			
					n _e = 1.67133		v _e = 41.64		n _{F'} - n _{C'} = 0.016123			
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}	0.2368	P' _{s,t}	0.2338	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42		P _{C,s}	0.4968	P' _{C',s}	0.5365	2400	0.922	0.850			
n _{1970.09}	1970.09		P _{d,C}	0.2958	P' _{d,C'}	0.2462	2200	0.954	0.911			
n _{1529.58}	1529.58		P _{e,d}	0.2374	P' _{e,d}	0.2344	2000	0.983	0.967			
n _{1060.0}	1060.0		P _{g,F}	0.5728	P' _{g,F'}	0.5074	1800	0.990	0.981			
n _t	1013.98	1.65116	P _{i,h}		P' _{i,h}		1600	0.996	0.993			
n _s	852.11	1.65493	异常色散 Abnormal Dispersions				1400	0.995	0.990			
n _r	706.52	1.66023					ΔP _{C,t}	-0.0102	ΔP _{C,s}	-0.0040	1200	0.999
n _C	656.27	1.66284	ΔP _{F,e}	0.0001	ΔP _{g,F}	-0.0014	1060	0.999	0.998			
n _{C'}	643.85	1.66358	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.66428					λ ₈₀ /λ ₅	400/350		950	0.998	0.997
n _D	589.29	1.66741	λ ₇₀ /λ ₅			900	0.996	0.993				
n _d	587.56	1.66755	热性质 Thermal Properties				850	0.994	0.988			
n _e	546.07	1.67133					T _g (°C)	584		800	0.996	0.992
n _F	486.13	1.67876	T _s (°C)	633		700	0.995	0.990				
n _{F'}	479.99	1.67970	T ₁₀ ^{14.5} (°C)	540		650	0.995	0.990				
n _g	435.83	1.68788	T ₁₀ ¹³ (°C)	582		600	0.995	0.990				
n _h	404.66	1.69574	T ₁₀ ^{7.6} (°C)	78		550	0.996	0.992				
n _i	365.01	1.70978	α _{30/70°C} (10 ⁻⁷ /K)	91		500	0.994	0.989				
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)			480	0.993	0.987				
n _{302.15}	302.15		λ[W/(m·K)]			460	0.991	0.983				
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.989	0.978			
							Grade					
			A ₀	2.7114815E+00	D _w	2		420	0.982	0.965		
			A ₁	-8.3031047E-03	D _A	3		400	0.960	0.922		
			A ₂	2.3733195E-02	CR	1		390	0.931	0.866		
			A ₃	2.8197729E-04	RC(S)	1		380	0.872	0.760		
			A ₄	3.9409899E-05	RA(S)	3		370	0.750	0.570		
A ₅	7.1756265E-07					360	0.510	0.260				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.200	0.040			
							H _k (10 ⁷ Pa)	510		340		
			D ₀	3.29E-08	D _w	2		330				
			D ₁	1.54E-08	D _A	3		320				
			D ₂	-1.58E-11	CR	1		310				
			E ₀	7.94E-07	RC(S)	1		300				
			E ₁	1.05E-09	RA(S)	3		290				
λ _{TK} (μm)	0.240					280						
折射率温度系数 Temperature Coefficients of Refractive Index			其他性质 Other Properties				ρ (g/cm ³)		3.80			
							备注 Remarks					
温度范围 (°C) Range of Temperature			dn/dt relative(10 ⁻⁶ /°C)									
-60~-40			t	C'	d	e	F'	g				
			1.4	2.1	2.8	3.2	3.5	4.4				
-40~-20			1.9	2.4	2.6	3.0	3.5	4.3				
			2.0	2.6	3.0	3.5	4.1	4.8				
-20~0			2.0	3.0	3.2	3.4	4.2	4.9				
			2.2	3.2	3.3	3.5	4.4	5.6				
0~20			2.3	3.3	3.7	4.1	4.9	5.7				
20~40												
40~60												
60~80												
80~100												
100~120												
120~140												