

ZBaF2			640483			n _d = 1.63962		v _d = 48.27		n _F - n _C = 0.013250		
						n _e = 1.64277		v _e = 47.90		n _{F'} - n _{C'} = 0.013418		
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}		P' _{s,t}		λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42		P _{C,s}		P' _{C',s}		2400	0.924	0.854			
n _{1970.09}	1970.09		P _{d,C}	0.2989	P' _{d,C'}	0.2497	2200	0.959	0.919			
n _{1529.58}	1529.58		P _{e,d}	0.2376	P' _{e,d}	0.2346	2000	0.985	0.971			
n _{1060.0}	1060.0		P _{g,F}	0.5615	P' _{g,F'}	0.4963	1800	0.992	0.985			
n _t	1013.98		P _{i,h}		P' _{i,h}		1600	0.997	0.995			
n _s	852.11		异常色散 Abnormal Dispersions				1400	0.999	0.998			
n _r	706.52	1.63342					ΔP _{C,t}		ΔP _{C,s}		1200	0.999
n _C	656.27	1.63566	ΔP _{F,e}	0.0001	ΔP _{g,F}	-0.0020	1060	0.999	0.998			
n _{C'}	643.85	1.63627	着色度 Color Code				1000	0.998	0.997			
n _{He-Ne}	632.8	1.63686					λ ₈₀ /λ ₅	370/330		950	0.998	0.996
n _D	589.29	1.63950	λ ₇₀ /λ ₅			900	0.998	0.996				
n _d	587.56	1.63962	热性质 Thermal Properties				850	0.997	0.995			
n _e	546.07	1.64277					T _g (°C)	621		800	0.996	0.993
n _F	486.13	1.64891	T _s (°C)	670		700	0.996	0.992				
n _{F'}	479.99	1.64969	T ₁₀ ^{14.5} (°C)	562		650	0.995	0.991				
n _g	435.83	1.65635	T ₁₀ ¹³ (°C)	601		600	0.995	0.991				
n _h	404.66	1.66268	T ₁₀ ^{7.6} (°C)	61		550	0.996	0.992				
n _i	365.01	1.67382	α _{30/70} (10 ⁻⁷ /K)	75		500	0.995	0.990				
n _{313.18}	313.18		α _{100/300} (10 ⁻⁷ /K)			480	0.994	0.988				
n _{302.15}	302.15		λ[W/(m·K)]			460	0.993	0.986				
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.992	0.984			
							Grade		420	0.990	0.980	
			A ₀	2.6324147E+00	D _w	1	400	0.983	0.967			
			A ₁	-8.7251762E-03	D _A	3	390	0.975	0.951			
			A ₂	1.9124302E-02	CR		380	0.962	0.925			
			A ₃	4.4859331E-04	RC(S)	1	370	0.936	0.877			
			A ₄	-1.7473295E-05	RA(S)	3	360	0.880	0.780			
A ₅	2.8601145E-06			350	0.780	0.610						
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				340	0.570	0.330			
							H _k (10 ⁷ Pa)	482	330	0.240	0.060	
			D ₀		D _w	1	320					
			D ₁		D _A	3	310					
			D ₂		CR		300					
			E ₀		RC(S)	1	290					
			E ₁		RA(S)	3	280					
λ _{TK} (μm)				其他性质 Other Properties								
折射率温度系数 Temperature Coefficients of Refractive Index			dn/dt relative(10 ⁻⁶ /°C)				ρ (g/cm ³)		3.83			
							备注 Remarks					
温度范围 (°C)												
Range of Temperature		t	C'	d	e	F'	g					
-60~-40												
-40~-20												
-20~0												
0~20												
20~40												
40~60												
60~80												
80~100												
100~120												
120~140												