

ZBaF2			640483			n <sub>d</sub> = 1.63962		v <sub>d</sub> = 48.27		n <sub>F</sub> - n <sub>C</sub> = 0.013250			
						n <sub>e</sub> = 1.64277		v <sub>e</sub> = 47.90		n <sub>F'</sub> - n <sub>C'</sub> = 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 <sub>s,t</sub>		P' <sub>s,t</sub>		λ (nm)	τ (5mm)	τ (10mm)				
n <sub>2325.42</sub>	2325.42		P <sub>C,s</sub>		P' <sub>C',s</sub>		2400	0.924	0.854				
n <sub>1970.09</sub>	1970.09		P <sub>d,C</sub>	0.2989	P' <sub>d,C'</sub>	0.2497	2200	0.959	0.919				
n <sub>1529.58</sub>	1529.58		P <sub>e,d</sub>	0.2376	P' <sub>e,d</sub>	0.2346	2000	0.985	0.971				
n <sub>1060.0</sub>	1060.0		P <sub>g,F</sub>	0.5615	P' <sub>g,F'</sub>	0.4963	1800	0.992	0.985				
n <sub>t</sub>	1013.98		P <sub>i,h</sub>		P' <sub>i,h</sub>		1600	0.997	0.995				
n <sub>s</sub>	852.11		异常色散 Abnormal Dispersions				1400	0.999	0.998				
n <sub>r</sub>	706.52	1.63342					ΔP <sub>C,t</sub>		ΔP <sub>C,s</sub>		1200	0.999	0.998
n <sub>C</sub>	656.27	1.63566	ΔP <sub>F,e</sub>	0.0001	ΔP <sub>g,F</sub>	-0.0020	1060	0.999	0.998				
n <sub>C'</sub>	643.85	1.63627	着色度 Color Code				1000	0.998	0.997				
n <sub>He-Ne</sub>	632.8	1.63686					λ <sub>80</sub> /λ <sub>5</sub>	370/330		950	0.998	0.996	
n <sub>D</sub>	589.29	1.63950	λ <sub>70</sub> /λ <sub>5</sub>			900	0.998	0.996					
n <sub>d</sub>	587.56	1.63962	热性质 Thermal Properties				850	0.997	0.995				
n <sub>e</sub>	546.07	1.64277					T <sub>g</sub> (°C)	621		800	0.996	0.993	
n <sub>F</sub>	486.13	1.64891	T <sub>s</sub> (°C)	670		700	0.996	0.992					
n <sub>F'</sub>	479.99	1.64969	T <sub>10</sub> <sup>14.5</sup> (°C)	562		650	0.995	0.991					
n <sub>g</sub>	435.83	1.65635	T <sub>10</sub> <sup>13</sup> (°C)	601		600	0.995	0.991					
n <sub>h</sub>	404.66	1.66268	T <sub>10</sub> <sup>7.6</sup> (°C)	61		550	0.996	0.992					
n <sub>i</sub>	365.01	1.67382	α <sub>30/70°C</sub> (10 <sup>-7</sup> /K)	75		500	0.995	0.990					
n <sub>313.18</sub>	313.18		α <sub>100/300°C</sub> (10 <sup>-7</sup> /K)			480	0.994	0.988					
n <sub>302.15</sub>	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				
							A <sub>0</sub>	2.6324147E+00		Grade		420	0.990
			A <sub>1</sub>	-8.7251762E-03		D <sub>w</sub>	1		400	0.983	0.967		
			A <sub>2</sub>	1.9124302E-02		D <sub>A</sub>	3		390	0.975	0.951		
			A <sub>3</sub>	4.4859331E-04		CR			380	0.962	0.925		
			A <sub>4</sub>	-1.7473295E-05		RC(S)	1		370	0.936	0.877		
			A <sub>5</sub>	2.8601145E-06		RA(S)	3		360	0.880	0.780		
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.780	0.610				
							D <sub>0</sub>			H <sub>k</sub> (10 <sup>7</sup> Pa)	482		340
			D <sub>1</sub>			D <sub>w</sub>	1		330	0.240	0.060		
			D <sub>2</sub>			D <sub>A</sub>	3		320				
			E <sub>0</sub>			CR			310				
			E <sub>1</sub>			RC(S)	1		300				
			λ <sub>TK</sub> (μm)			RA(S)	3		290				
折射率温度系数 Temperature Coefficients of Refractive Index			其他性质 Other Properties				E (10 <sup>7</sup> Pa)	7731					
							G (10 <sup>7</sup> Pa)	3052		μ	0.266		
温度范围 (°C)	dn/dt relative(10 <sup>-6</sup> /°C)						B (10 <sup>-12</sup> /Pa)						
Range of Temperature	t	C'	d	e	F'	g	备注 Remarks						
-60~-40													
-40~-20													
-20~0													
0~20													
20~40													
40~60													
60~80													
80~100													
100~120													
120~140													