

H-BaF5			606439			n _d = 1.60562		v _d = 43.88		n _F - n _C = 0.013803							
						n _e = 1.60890		v _e = 43.57		n _{F'} - n _{C'} = 0.013974							
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}	0.2521	P' _{s,t}	0.2490	λ (nm)	τ (5mm)	τ (10mm)								
n _{2325.42}	2325.42		P _{C,s}	0.5064	P' _{C',s}	0.5460	2400	0.914	0.835								
n _{1970.09}	1970.09		P _{d,C}	0.2963	P' _{d,C'}	0.2469	2200	0.937	0.878								
n _{1529.58}	1529.58		P _{e,d}	0.2376	P' _{e,d}	0.2347	2000	0.976	0.952								
n _{1060.0}	1060.0		P _{g,F}	0.5723	P' _{g,F'}	0.5067	1800	0.987	0.973								
n _t	1013.98	1.59106	P _{i,h}		P' _{i,h}		1600	0.995	0.991								
n _s	852.11	1.59454	异常色散 Abnormal Dispersions				1400	0.994	0.988								
n _r	706.52	1.59924					ΔP _{C,t}	0.0055	ΔP _{C,s}	0.0009	1200	0.999	0.998				
n _C	656.27	1.60153	ΔP _{F,e}	0.0002	ΔP _{g,F}	0.0014	1060	0.999	0.998								
n _{C'}	643.85	1.60217	着色度 Color Code				1000	0.999	0.998								
n _{He-Ne}	632.8	1.60278					λ ₈₀ /λ ₅	380/350		950	0.999	0.998					
n _D	589.29	1.60550	λ ₇₀ /λ ₅			900	0.999	0.998									
n _d	587.56	1.60562	热性质 Thermal Properties				850	0.999	0.998								
n _e	546.07	1.60890					T _g (°C)	576		800	0.999	0.998					
n _F	486.13	1.61533	T _s (°C)	624		700	0.998	0.997									
n _{F'}	479.99	1.61615	T ₁₀ ^{14.5} (°C)	520		650	0.998	0.996									
n _g	435.83	1.62323	T ₁₀ ¹³ (°C)	554		600	0.997	0.995									
n _h	404.66	1.63002	T ₁₀ ^{7.6} (°C)	692		550	0.997	0.995									
n _i	365.01	1.64220	α _{30/70°C} (10 ⁻⁷ /K)	82		500	0.996	0.993									
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)	97		480	0.996	0.993									
n _{302.15}	302.15		λ[W/(m·K)]			460	0.995	0.991									
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.993	0.987								
							A ₀	2.5242061E+00		Grade		420	0.991	0.983			
							A ₁	-1.0552624E-02		D _w	1		400	0.984	0.968		
							A ₂	1.7984739E-02		D _A	1		390	0.973	0.947		
							A ₃	6.8026845E-04		CR	1		380	0.948	0.899		
							A ₄	-2.3542034E-05		RC(S)	1		370	0.882	0.778		
							A ₅	3.3567097E-06		RA(S)	1		360	0.698	0.487		
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.302	0.091								
							D ₀	-8.44E-07		H _k (10 ⁷ Pa)		556					
							D ₁	2.08E-08		F _A		168					
							D ₂	-7.18E-11		E (10 ⁷ Pa)		8210					
							E ₀	7.13E-07		G (10 ⁷ Pa)		3303					
							E ₁	6.88E-10		μ		0.243					
							λ _{TK} (μm)	0.231		B (10 ⁻¹² /Pa)		2.63					
折射率温度系数 Temperature Coefficients of Refractive Index			其他性质 Other Properties				ρ (g/cm ³)		2.97								
温度范围 (°C)		dn/dt relative(10 ⁻⁶ /°C)						备注 Remarks									
Range of Temperature		t	C'	d	e	F'	g										
-60~-40																	
-40~-20		0.6	1.6	1.8	1.8	2.1	2.9										
-20~0		0.6	1.8	1.8	1.9	2.6	3.0										
0~20		1.6	1.8	2.2	2.7	3.0	3.7										
20~40		1.6	1.8	2.2	2.7	3.2	3.9										
40~60		1.6	2.4	2.6	2.8	3.5	4.2										
60~80		2.0	2.6	2.9	3.0	3.5	4.3										
80~100																	
100~120																	
120~140																	