

H-BaF2			570495				n _d = 1.569700		v _d = 49.45		n _F - n _C = 0.011520	
							n _e = 1.572439		v _e = 49.16		n _{F'} - n _{C'} = 0.011645	
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}	0.2612	P' _{s,t}	0.2584	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.539905	P _{C,s}	0.5176	P' _{C',s}	0.5590	2400	0.913	0.833			
n _{1970.09}	1970.09	1.545047	P _{d,C}	0.2997	P' _{d,C'}	0.2495	2200	0.930	0.875			
n _{1529.58}	1529.58	1.550588	P _{e,d}	0.2378	P' _{e,d}	0.2352	2000	0.972	0.947			
n _{1060.0}	1060.0	1.556566	P _{g,F}	0.5616	P' _{g,F'}	0.4980	1800	0.986	0.972			
n _t	1013.98	1.557276	P _{i,h}	0.8370	P' _{i,h}	0.8280	1600	0.995	0.991			
n _s	852.11	1.560285	异常色散 Abnormal Dispersions				1400	0.994	0.989			
n _r	706.52	1.564307					ΔP _{C,t}	-0.0005	ΔP _{C,s}	-0.0010	1200	0.999
n _C	656.27	1.566248	ΔP _{F,e}	-0.0001	ΔP _{g,F}	0.0002	1060	0.999	0.998			
n _{C'}	643.85	1.566794	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.567306					λ ₈₀ /λ ₅	370/340		950	0.999	0.998
n _D	589.29	1.569598	λ ₇₀ /λ ₅			900	0.999	0.998				
n _d	587.56	1.569700	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.572439					T _g (°C)	574		800	0.999	0.998
n _F	486.13	1.577768	T _s (°C)	633		700	0.998	0.997				
n _{F'}	479.99	1.578439	T ₁₀ ^{14.5} (°C)	518		650	0.998	0.996				
n _g	435.83	1.584238	T ₁₀ ¹³ (°C)	555		600	0.998	0.996				
n _h	404.66	1.589728	T ₁₀ ^{7.6} (°C)	713		550	0.998	0.996				
n _i	365.01	1.599370	α _{30/70} (10 ⁻⁷ /K)	82		500	0.997	0.995				
n _{313.18}	313.18		α _{100/300} (10 ⁻⁷ /K)	98		480	0.997	0.995				
n _{302.15}	302.15		λ[W/(m·K)]			460	0.997	0.994				
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.996	0.993			
							K ₁	1.31856447E-01		Grade	420	0.996
L ₁	4.04229746E-02		D _w	2		400	0.992	0.984				
K ₂	1.28686729E+00		D _A	1		390	0.986	0.973				
L ₂	8.07407390E-03		CR	1		380	0.973	0.946				
K ₃	1.00682520E+00		RC(S)	1		370	0.941	0.886				
L ₃	1.13574742E+02		RA(S)	1		360	0.854	0.729				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.624	0.389			
							D ₀	-2.16E-06		H _k (10 ⁷ Pa)	484	
D ₁	1.57E-08						330					
D ₂	-3.10E-11						320					
E ₀	4.71E-07						310					
E ₁	6.41E-10						300					
λ _{TK} (μm)	0.268						290					
折射率温度系数 Temperature Coefficients of Refractive Index							280					
温度范围 (°C)			dn/dt relative(10 ⁻⁶ /°C)				其他性质 Other Properties					
Range of Temperature			t	C'	d	e						F'
-60~-40									备注 Remarks			
-40~-20			0.5	0.8	1.0	1.1	1.5	1.9				
-20~0			0.5	1.0	1.1	1.2	1.7	2.1				
0~20			0.6	1.1	1.2	1.3	1.9	2.2				
20~40			0.8	1.2	1.3	1.5	2.0	2.5				
40~60			0.8	1.3	1.4	1.6	2.1	2.7				
60~80			0.9	1.4	1.6	1.9	2.3	2.8				
80~100												
100~120												
120~140												