

H-BaF4			583466				n _d = 1.582670		v _d = 46.60		n _F - n _C = 0.012504	
							n _e = 1.585640		v _e = 46.30		n _{F'} - n _{C'} = 0.012648	
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}	0.2524	P' _{s,t}	0.2495	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.552244	P _{C,s}	0.5097	P' _{C',s}	0.5504	2400	0.912	0.832			
n _{1970.09}	1970.09	1.557215	P _{d,C}	0.2981	P' _{d,C'}	0.2482	2200	0.932	0.869			
n _{1529.58}	1529.58	1.562639	P _{e,d}	0.2375	P' _{e,d}	0.2348	2000	0.969	0.938			
n _{1060.0}	1060.0	1.568677	P _{g,F}	0.5669	P' _{g,F'}	0.5025	1800	0.984	0.968			
n _t	1013.98	1.569413	P _{i,h}	0.8564	P' _{i,h}	0.8466	1600	0.995	0.991			
n _s	852.11	1.572569	异常色散 Abnormal Dispersions				1400	0.996	0.993			
n _r	706.52	1.576855					ΔP _{C,t}	-0.0037	ΔP _{C,s}	-0.0022	1200	0.999
n _C	656.27	1.578942	ΔP _{F,e}	0.0001	ΔP _{g,F}	0.0005	1060	0.999	0.998			
n _{C'}	643.85	1.579531	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.580082					λ ₈₀ /λ ₅	375/345		950	0.999	0.998
n _D	589.29	1.582560	λ ₇₀ /λ ₅			900	0.999	0.998				
n _d	587.56	1.582670	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.585640					T _g (°C)	577		800	0.998	0.996
n _F	486.13	1.591446	T _s (°C)	625		700	0.998	0.996				
n _{F'}	479.99	1.592179	T ₁₀ ^{14.5} (°C)	516		650	0.998	0.996				
n _g	435.83	1.598534	T ₁₀ ¹³ (°C)	555		600	0.997	0.995				
n _h	404.66	1.604583	T ₁₀ ^{7.6} (°C)	726		550	0.997	0.995				
n _i	365.01	1.615291	α _{30/70} (10 ⁻⁷ /K)	82		500	0.997	0.995				
n _{313.18}	313.18		α _{100/300} (10 ⁻⁷ /K)	100		480	0.997	0.995				
n _{302.15}	302.15		λ[W/(m·K)]			460	0.996	0.993				
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.995	0.991			
							K ₁	1.32811418E+00		Grade	420	0.995
L ₁	8.68510750E-03		D _w	1		400	0.990	0.981				
K ₂	1.26865199E-01		D _A	1		390	0.983	0.967				
L ₂	4.40786174E-02		CR	1		380	0.966	0.934				
K ₃	1.04004826E+00		RC(S)	1		370	0.925	0.855				
L ₃	1.20899619E+02		RA(S)	1		360	0.806	0.649				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.506	0.256			
							D ₀	-2.53E-06		H _k (10 ⁷ Pa)	479	
D ₁	1.58E-08		折射率温度系数 Temperature Coefficients of Refractive Index				330					
D ₂	-4.13E-11						D _w	1		320		
E ₀	6.35E-07		D _A	1		310						
E ₁	4.85E-10		CR	1		300						
λ _{TK} (μm)	0.235		RC(S)	1		290						
温度范围 (°C)			dn/dt relative(10 ⁻⁶ /°C)				机械性质 Mechanical Properties					
							H _k (10 ⁷ Pa)		479		F _A	
Range of Temperature	t	C'	d	e	F'	g	E (10 ⁷ Pa)		7276			
-60~-40	0.3	0.7	0.9	1.2	1.5	2.0	G (10 ⁷ Pa)		2931			
-40~-20	0.3	0.7	1.1	1.2	1.7	2.1	μ		0.241			
-20~0	0.4	1.0	1.1	1.3	1.8	2.3	B (10 ⁻¹² /Pa)		2.59			
0~20	0.5	1.1	1.2	1.4	2.0	2.5	其他性质 Other Properties					
20~40	0.6	1.2	1.3	1.6	2.2	2.6						
40~60	0.7	1.3	1.5	1.7	2.3	2.8	ρ (g/cm ³)		2.91			
60~80	0.8	1.4	1.6	1.8	2.4	3.0	备注 Remarks					
80~100	0.8	1.4	1.7	1.9	2.4	3.1						
100~120	0.9	1.5	1.7	2.0	2.5	3.2						
120~140	0.9	1.5	1.8	2.1	2.6	3.2						