

H-BaF3			580537				n _d = 1.579570		ν _d = 53.71		n _F - n _C = 0.010790	
							n _e = 1.582139		ν _e = 53.42		n _{F'} - n _{C'} = 0.010897	
折射率 Refractive Index			相对部分色散 Relative Partial Dispersions				内部透射率 Internal Transmittance τ					
	λ (nm)		P _{s,t}	0.2664	P' _{s,t}	0.2637	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.551012	P _{C,s}	0.5243	P' _{C',s}	0.5665	2400	0.931	0.867			
n _{1970.09}	1970.09	1.555999	P _{d,C}	0.3015	P' _{d,C'}	0.2512	2200	0.953	0.908			
n _{1529.58}	1529.58	1.561357	P _{e,d}	0.2381	P' _{e,d}	0.2358	2000	0.984	0.968			
n _{1060.0}	1060.0	1.567107	P _{g,F}	0.5532	P' _{g,F'}	0.4906	1800	0.990	0.981			
n _t	1013.98	1.567786	P _{i,h}	0.8003	P' _{i,h}	0.7924	1600	0.995	0.993			
n _s	852.11	1.570660	异常色散 Abnormal Dispersions				1400	0.994	0.988			
n _r	706.52	1.574480					ΔP _{C,t}	-0.0087	ΔP _{C,s}	-0.0045	1200	0.999
n _C	656.27	1.576317	ΔP _{F,e}	0.0001	ΔP _{g,F}	-0.0010	1060	0.999	0.999			
n _{C'}	643.85	1.576833	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.577315					λ ₈₀ /λ ₅	360/330		950	0.999	0.998
n _D	589.29	1.579474	λ ₇₀ /λ ₅			900	0.999	0.998				
n _d	587.56	1.579570	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.582139					T _g (°C)	595		800	0.999	0.998
n _F	486.13	1.587107	T _s (°C)	653		700	0.999	0.998				
n _{F'}	479.99	1.587730	T ₁₀ ^{14.5} (°C)	546		650	0.999	0.998				
n _g	435.83	1.593076	T ₁₀ ¹³ (°C)	584		600	0.999	0.998				
n _h	404.66	1.598079	T ₁₀ ^{7.6} (°C)	750		550	0.998	0.997				
n _i	365.01	1.606714	α _{30/70} (10 ⁻⁷ /K)	67		500	0.998	0.996				
n _{313.18}	313.18		α _{100/300} (10 ⁻⁷ /K)	84		480	0.998	0.996				
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	1.16102167E+00		Grade	420	0.995
L ₁	6.37008736E-03		D _w	1		400	0.995	0.990				
K ₂	9.26012255E-01		D _A	1		390	0.992	0.984				
L ₂	1.07341889E+02		CR	1		380	0.987	0.974				
K ₃	2.90935978E-01		RC(S)	1		370	0.976	0.953				
L ₃	2.65573391E-02		RA(S)	1		360	0.947	0.896				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.871	0.759			
							D ₀	3.14E-06		H _k (10 ⁷ Pa)	523	
D ₁	1.83E-08						330	0.321	0.103			
D ₂	-3.70E-11						320					
E ₀	5.37E-07						310					
E ₁	7.04E-10						300					
λ _{TK} (μm)	0.220						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'	g	ρ (g/cm ³)			
-60~-40			2.8	3.2	3.3	3.5	4.0	4.4	3.14			
-40~-20			2.9	3.3	3.4	3.6	4.0	4.4				
-20~0			3.0	3.4	3.5	3.7	4.0	4.5				
0~20			3.0	3.5	3.6	3.8	4.1	4.6				
20~40			3.2	3.7	3.8	4.2	4.5	5.0				
40~60			3.4	3.9	4.1	4.4	4.7	5.2				
60~80			3.6	4.1	4.3	4.6	5.0	5.4				
80~100			3.6	4.2	4.4	4.6	5.0	5.5				
100~120			3.7	4.2	4.6	4.7	5.3	5.8				
120~140			3.8	4.3	4.6	4.7	5.4	6.1				
							备注 Remarks					