

H-ZF5			740283			n _d = 1.740000		ν _d = 28.30		n _F - n _C = 0.026152	
						n _e = 1.746169		ν _e = 28.07		n _F ' - n _C ' = 0.026582	
折射率 Refractive Index			相对部分色散 Relative Partial Dispersions				内部透过率 Internal Transmittance τ				
	λ (nm)		P _{s,t}	0.2151	P' _{s,t}	0.2116	λ (nm)	τ (5mm)	τ (10mm)		
n _{2325.42}	2325.42	1.690701	P _{C,s}	0.4695	P' _{C',s}	0.5061	2400	0.906	0.820		
n _{1970.09}	1970.09	1.696916	P _{d,C}	0.2886	P' _{d,C'}	0.2397	2200	0.940	0.884		
n _{1529.58}	1529.58	1.704088	P _{e,d}	0.2359	P' _{e,d}	0.2321	2000	0.971	0.942		
n _{1060.0}	1060.0	1.713301	P _{g,F}	0.6079	P' _{g,F'}	0.5377	1800	0.983	0.966		
n _t	1013.98	1.714548	P _{i,h}	1.0428	P' _{i,h}	1.0259	1600	0.994	0.988		
n _s	852.11	1.720174	异常色散 Abnormal Dispersions				1400	0.996	0.993		
n _r	706.52	1.728331					ΔP _{C,t}	0.0051	ΔP _{C,s}	0.0009	1200
n _C	656.27	1.732452	ΔP _{F,e}	0.0014	ΔP _{g,F}	0.0104	1060	0.999	0.998		
n _{C'}	643.85	1.733628	着色度 Color Code				1000	0.999	0.998		
n _{He-Ne}	632.8	1.734736					λ ₈₀ /λ _s	410/360		950	0.999
n _D	589.29	1.739774	λ ₇₀ /λ _s			900	0.999	0.998			
n _d	587.56	1.740000	热性质 Thermal Properties				850	0.999	0.998		
n _e	546.07	1.746169					T _g (°C)	612		800	0.999
n _F	486.13	1.758604	T _s (°C)	637		700	0.998	0.996			
n _{F'}	479.99	1.760210	T ₁₀ ^{14.5} (°C)	550		650	0.997	0.995			
n _g	435.83	1.774502	T ₁₀ ¹³ (°C)	583		600	0.996	0.993			
n _h	404.66	1.788780	T ₁₀ ^{7.6} (°C)	703		550	0.996	0.993			
n _i	365.01	1.816050	α _{30/70°C} (10 ⁻⁷ /K)	89		500	0.993	0.987			
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)	108		480	0.991	0.982			
n _{302.15}	302.15		λ[W/(m·K)]	0.806		460	0.988	0.976			
色散公式常数 Constants of Dispersion Formula			c _p [J/(g·K)]	0.615		440	0.982	0.964			
			化学性质 Chemical Properties				Grade	420	0.971	0.942	
K ₁	1.70024855E+00	Grade					400	0.935	0.875		
L ₁	1.33277515E-02					D _w	1	390	0.885	0.783	
K ₂	1.36322884E+00	D _A	1	380	0.763	0.582					
L ₂	1.22333810E+02	CR	1	370	0.468	0.219					
K ₃	2.14513422E-01	RC(S)	1	360							
L ₃	6.35762871E-02	RA(S)	1	350							
折射率温度系数常数 Constants of dn/dt			Grade				340				
							D ₀	-4.09E-06	D _w	1	320
D ₁	1.23E-08	机械性质 Mechanical Properties				H _K (10 ⁷ Pa)	563				
D ₂	-2.03E-11					F _A	184		E (10 ⁷ Pa)	9061	
E ₀	7.19E-07	G (10 ⁷ Pa)	3604		μ	0.257					
E ₁	1.12E-09	B (10 ⁻¹² /Pa)	2.52		其他性质 Other Properties						
λ _{TK} (μm)	0.315	ρ (g/cm ³)	3.16								
折射率温度系数 Temperature Coefficients of Refractive Index			dn/dt relative(10 ⁻⁶ /°C)				备注 Remarks				
温度范围 (°C)		dn/dt relative(10 ⁻⁶ /°C)									
Range of Temperature		t	C'	d	e	F'	g				
-60~-40											
-40~-20		-1.5	-0.9	0.3	1.1	1.4	3.1				
-20~0		-0.1	0.8	1.2	1.9	2.1	3.6				
0~20		-0.2	0.7	0.8	1.1	2.3	3.8				
20~40		-0.3	0.6	0.8	1.2	2.3	4.2				
40~60		0.0	0.6	1.0	1.3	2.7	4.3				
60~80		-0.1	1.5	1.9	2.3	3.9	5.4				
80~100											
100~120											
120~140											