

F7			636354				n _d = 1.63636		v _d = 35.35		n _F - n _C = 0.018001	
					n _e = 1.64062		v _e = 35.11		n _{F'} - n _{C'} = 0.018244			
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}	0.2272	P' _{s,t}	0.2242	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42		P _{C,s}	0.4855	P' _{C',s}	0.5246	2400	0.940	0.883			
n _{1970.09}	1970.09		P _{d,C}	0.2933	P' _{d,C'}	0.2439	2200	0.954	0.910			
n _{1529.58}	1529.58		P _{e,d}	0.2367	P' _{e,d}	0.2335	2000	0.980	0.960			
n _{1060.0}	1060.0		P _{g,F}	0.5822	P' _{g,F'}	0.5158	1800	0.988	0.977			
n _t	1013.98	1.61825	P _{i,h}		P' _{i,h}		1600	0.996	0.993			
n _s	852.11	1.62234	异常色散 Abnormal Dispersions				1400	0.995	0.991			
n _r	706.52	1.62818					ΔP _{C,t}	-0.0001	ΔP _{C,s}	0.0002	1200	0.999
n _C	656.27	1.63108	ΔP _{F,e}	-0.0003	ΔP _{g,F}	-0.0033	1060	0.999	0.998			
n _{C'}	643.85	1.63191	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.63269					λ ₈₀ /λ ₅	360/330		950	0.999	0.998
n _D	589.29	1.63621	λ ₇₀ /λ ₅			900	0.999	0.998				
n _d	587.56	1.63636	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.64062					T _g (°C)	441		800	0.998	0.997
n _F	486.13	1.64908	T _s (°C)	500		700	0.998	0.997				
n _{F'}	479.99	1.65015	T ₁₀ ^{14.5} (°C)	382		650	0.998	0.996				
n _g	435.83	1.65956	T ₁₀ ¹³ (°C)	425		600	0.998	0.996				
n _h	404.66	1.66869	T ₁₀ ^{7.6} (°C)	85		550	0.998	0.996				
n _i	365.01	1.68527	α _{30/70°C} (10 ⁻⁷ /K)	97		500	0.997	0.995				
n _{313.18}	313.18		α _{100/300°C} (10 ⁻⁷ /K)			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	0.997	0.994			
							A ₀	2.6027537E+00		Grade	420	0.996
A ₁	-8.4678903E-03		D _w	1		400	0.994	0.988				
A ₂	2.4659617E-02		D _A	2		390	0.988	0.976				
A ₃	7.4451296E-04		CR	1		380	0.982	0.964				
A ₄	-4.8532841E-06		RC(S)	2		370	0.973	0.946				
A ₅	4.2592011E-06		RA(S)	2		360	0.946	0.895				
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.877	0.769			
							D ₀	1.17E-06		H _k (10 ⁷ Pa)	382	
D ₁	2.08E-08						330	0.298	0.089			
D ₂	-1.11E-10						320					
E ₀	1.16E-06						310					
E ₁	2.78E-10						300					
λ _{TK} (μm)	0.217						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									3.73			
-40~-20			2.1	2.8	3.1	3.7	4.2	4.7				
-20~0			2.2	3.3	3.8	4.0	5.0	6.5				
0~20			2.2	3.7	4.0	4.5	5.3	6.3				
20~40			2.7	3.7	4.2	4.4	5.5	6.3				
40~60			3.0	3.9	4.3	4.6	5.7	7.0				
60~80			3.4	4.0	4.6	5.1	5.9	7.2				
80~100												
100~120												
120~140												
							备注 Remarks					