

K4A			508611			n _d = 1.508020		ν _d = 61.05		n _F - n _C = 0.008321	
						n _e = 1.510004		ν _e = 60.84		n _{F'} - n _{C'} = 0.008383	
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}	0.3079	P' _{s,t}	0.3056	λ (nm)	τ (5mm)	τ (10mm)		
n _{2325.42}	2325.42	1.479507	P _{C,s}	0.5579	P' _{C',s}	0.6025	2400	0.870	0.760		
n _{1970.09}	1970.09	1.485482	P _{d,C}	0.3067	P' _{d,C'}	0.2556	2200	0.934	0.872		
n _{1529.58}	1529.58	1.491663	P _{e,d}	0.2384	P' _{e,d}	0.2367	2000	0.985	0.970		
n _{1060.0}	1060.0	1.497626	P _{g,F}	0.5389	P' _{g,F'}	0.4787	1800	0.997	0.994		
n _t	1013.98	1.498264	P _{i,h}	0.7611	P' _{i,h}	0.7555	1600	0.997	0.995		
n _s	852.11	1.500826	异常色散 Abnormal Dispersions				1400	0.989	0.978		
n _r	706.52	1.503998					ΔP _{C,t}	0.0318	ΔP _{C,s}	0.0118	1200
n _C	656.27	1.505468	ΔP _{F,e}	-0.0015	ΔP _{g,F}	-0.0028	1060	0.998	0.997		
n _{C'}	643.85	1.505877	着色度 Color Code				1000	0.998	0.997		
n _{He-Ne}	632.8	1.506257					λ ₈₀ /λ ₅	355/320		950	0.998
n _D	589.29	1.507946	λ ₇₀ /λ ₅			900	0.998	0.997			
n _d	587.56	1.508020	热性质 Thermal Properties				850	0.998	0.997		
n _e	546.07	1.510004					T _g (°C)	552		800	0.998
n _F	486.13	1.513789	T _s (°C)	624		700	0.998	0.996			
n _{F'}	479.99	1.514260	T ₁₀ ^{14.5} (°C)	497		650	0.998	0.996			
n _g	435.83	1.518273	T ₁₀ ¹³ (°C)	541		600	0.997	0.995			
n _h	404.66	1.521989	T ₁₀ ^{7.6} (°C)	733		550	0.997	0.995			
n _i	365.01	1.528322	α _{.30/70} (10 ⁻⁷ /K)	47		500	0.997	0.993			
n _{313.18}	313.18		α _{100/300} (10 ⁻⁷ /K)	52		480	0.996	0.992			
n _{302.15}	302.15		λ[W/(m·K)]			460	0.996	0.991			
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.995	0.989		
							K ₁	7.49532263E-01		Grade	420
L ₁	1.48033503E-02		D _w	1		400	0.992	0.984			
K ₂	4.94866234E-01		D _A	2		390	0.988	0.977			
L ₂	-2.64092219E-04		CR	1		380	0.980	0.961			
K ₃	9.60168660E-01		RC(S)	1		370	0.970	0.940			
L ₃	9.57190154E+01		RA(S)	3		360	0.940	0.890			
折射率温度系数常数 Constants of dn/dt			机械性质 Mechanical Properties				350	0.880	0.780		
							D ₀	7.37E-06		H _k (10 ⁷ Pa)	524
D ₁	2.20E-08		Grade				330	0.500	0.250		
D ₂	-6.81E-12						D _w	1		320	0.170
E ₀	4.56E-07		D _A	2		310					
E ₁	4.32E-10		CR	1		300					
λ _{TK} (μm)	0.199		RC(S)	1		290					
折射率温度系数 Temperature Coefficients of Refractive Index			dn/dt relative(10 ⁻⁶ /°C)				280				
							其他性质 Other Properties			ρ (g/cm ³)	
温度范围 (°C)			t	C'	d	e	F'	g	备注 Remarks		
Range of Temperature											
-60~-40											
-40~-20	4.4	4.6	4.9	5.2	5.3	5.5					
-20~0	4.4	4.7	4.9	5.2	5.3	5.5					
0~20	4.6	4.7	4.9	5.2	5.5	5.8					
20~40	4.8	5.1	5.3	5.5	5.7	6.1					
40~60	4.9	5.3	5.6	5.7	5.9	6.3					
60~80	5.0	5.5	5.6	5.9	6.2	6.4					
80~100											
100~120											
120~140											