

ZF7L			805255			$n_d = 1.80518$	$v_d = 25.46$	$n_F - n_C = 0.031620$	
						$n_e = 1.81265$	$v_e = 25.27$	$n_{F'} - n_{C'} = 0.032161$	
折射率 Refractive Index			相对部分色散 Relative Partial Dispersions				内部透射率 Internal Transmittance T		
	λ (nm)		$P_{s,t}$	0.2018	$P'_{s,t}$	0.1984	λ (nm)	τ (5mm)	τ (10mm)
$n_{2325.42}$	2325.42		$P_{C,s}$	0.4583	$P'_{C',s}$	0.4944	2400	0.950	0.903
$n_{1970.09}$	1970.09		$P_{d,C}$	0.2870	$P'_{d,C'}$	0.2384	2200	0.965	0.931
$n_{1529.58}$	1529.58		$P_{e,d}$	0.2360	$P'_{e,d}$	0.2320	2000	0.980	0.960
$n_{1060.0}$	1060.0		$P_{g,F}$	0.6097	$P'_{g,F'}$	0.5389	1800	0.990	0.980
n_t	1013.98	1.77524	$P_{i,h}$		$P'_{i,h}$		1600	0.996	0.992
n_s	852.11	1.78162	异常色散 Abnormal Dispersions				1400	0.999	0.998
n_r	706.52	1.79120	$\Delta P_{C,t}$	-0.0062	$\Delta P_{C,s}$	-0.0037	1200	0.999	0.998
n_C	656.27	1.79611	$\Delta P_{F,e}$	0.0015	$\Delta P_{g,F}$	0.0074	1060	0.999	0.998
$n_{C'}$	643.85	1.79752	着色度 Color Code				1000	0.999	0.998
n_{He-Ne}	632.8	1.79885	λ_{80}/λ_5		425/360		950	0.999	0.998
n_D	589.29	1.80491	λ_{70}/λ_5				900	0.999	0.998
n_d	587.56	1.80518	热性质 Thermal Properties				850	0.999	0.998
n_e	546.07	1.81265	T_g (°C)		430		800	0.998	0.996
n_F	486.13	1.82773	T_s (°C)		465		700	0.997	0.995
$n_{F'}$	479.99	1.82968	$T_{10}^{14.5}$ (°C)		383		650	0.997	0.995
n_g	435.83	1.84701	T_{10}^{13} (°C)		423		600	0.997	0.995
n_h	404.66	1.86427	$T_{10}^{7.6}$ (°C)		549		550	0.997	0.994
n_i	365.01	1.89697	$\alpha_{30/70^\circ C}$ (10 ⁻⁷ /K)		79		500	0.994	0.989
$n_{313.18}$	313.18		$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)		91		480	0.991	0.982
$n_{302.15}$	302.15		$\lambda[W/(m \cdot K)]$				460	0.986	0.973
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.977	0.955
A_0	3.1172453E+00		Grade				420	0.956	0.914
A_1	-9.7795868E-03		D _w				400	0.900	0.810
A_2	4.3175256E-02		D _A				390	0.840	0.710
A_3	2.5227958E-03		CR				380	0.750	0.560
A_4	-1.1739974E-04		RC(S)				370	0.570	0.320
A_5	2.0788116E-05		RA(S)				360	0.280	0.080
折射率温度系数常数 Constants of dn/dt							350		
D_0	4.87E-06						340		
D_1	2.39E-08						330		
D_2	-5.51E-11						320		
E_0	1.91E-06						310		
E_1	1.48E-09						300		
$\lambda_{TK}(\mu m)$	0.253						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)						
Range of Temperature			t	C'	d	e	F'	g	
-60~-40									
-40~-20			5.0	6.8	7.6	8.5	11.1	11.7	
-20~0			5.2	7.4	8.0	8.6	11.1	14.5	
0~20			5.6	8.0	8.9	9.8	11.6	14.9	
20~40			5.7	8.5	9.3	10.4	12.2	15.1	
40~60			6.0	9.0	9.6	10.8	12.8	15.6	
60~80			7.0	9.2	9.7	11.2	14.1	16.6	
80~100									
100~120									
120~140									
			机械性质 Mechanical Properties				H_k (10 ⁷ Pa)		330
							F_A		143
							E (10 ⁷ Pa)		5484
							G (10 ⁷ Pa)		2237
							μ		0.226
							B (10 ⁻¹² /Pa)		0.66
							其他性质 Other Properties		
							ρ (g/cm ³)		5.19
							备注 Remarks		