

F7	636354	$n_d=1.63636$	$v_d=35.35$	$n_F - n_c = 0.018001$
		$n_e=1.64062$	$v_e=35.11$	$n_{F'} - n_{c'} = 0.018244$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	λ (nm)		$P_{d,c}$	0.2933	$P'_{d,c'}$	0.2439	λ (nm)	τ 5 mm	τ 10 mm
n_t	1014.0	1.61825	$P_{e,d}$	0.2367	$P'_{e,d}$	0.2335	2400	0.940	0.883
n_r	706.5	1.62818	$P_{g,F}$	0.5822	$P'_{g,F'}$	0.5158	2200	0.954	0.910
n_c	656.3	1.63108					2000	0.980	0.960
$n_{c'}$	643.8	1.63191	Chemical Properties				1800	0.988	0.977
n_{He-Ne}	632.8	1.63269			Grade		1600	0.996	0.993
n_D	589.3	1.63621	RC(S)		2		1400	0.995	0.991
n_d	587.6	1.63636	RA(S)		2		1200	0.999	0.998
n_e	546.1	1.64062	D _W		1		1060	0.999	0.998
n_F	486.1	1.64908	D _A		2		1000	0.999	0.998
$n_{F'}$	480.0	1.65015					950	0.999	0.998
n_g	435.8	1.65956	Thermal Properties				900	0.999	0.998
n_h	404.7	1.66869	T _g (°C)		441		850	0.999	0.998
n_i	365.0	1.68527	T _s (°C)		500		800	0.998	0.997
			T ₁₀ ^{14.5} (°C)		382		700	0.998	0.997
			T ₁₀ ¹³ (°C)		425		650	0.998	0.996
			T ₁₀ ^{7.6} (°C)				600	0.998	0.996
Constants of Dispersion			$\alpha_{20/120^\circ C}(10^{-7}/K)$		88		550	0.998	0.996
Formula			$\alpha_{100/300^\circ C}(10^{-7}/K)$		97		500	0.997	0.995
A ₀	2.6027537		λ (W/m · K)				480	0.997	0.995
A ₁	$-8.4678903 \times 10^{-3}$						460	0.997	0.994
A ₂	2.4659617×10^{-2}		Mechanical Properties				440	0.997	0.994
A ₃	7.4451296×10^{-4}		H _K (10 ⁷ Pa)		382		420	0.996	0.992
A ₄	$-4.8532841 \times 10^{-6}$		F _A		97		400	0.994	0.988
A ₅	4.2592011×10^{-6}		E (10 ⁷ Pa)		5744		390	0.988	0.976
Deviation of Relative Partial Dispersions ΔP from the "Normal Line"			G (10 ⁷ Pa)		2340		380	0.982	0.964
ΔP_{F_e}	-0.0003		μ		0.227		370	0.973	0.946
$\Delta P_{g,F}$	-0.0033		B (10 ⁻¹² /Pa)				360	0.946	0.895
							350	0.877	0.769
			Other Properties				340	0.688	0.474
			ρ (g/cm ³)		3.73		330	0.298	0.089
							320		
Temperature Coefficients of Refractive Index							310		
Rang of Temperature	dn/dt relative(10⁻⁶/°C)						300		
	t	C'	d	e	F'	g	290		
-40~-20	2.1	2.8	3.1	3.7	4.2	4.7	280		
-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			
							Coloration Code		
			λ_{80}/λ_5		36/33				