

H-LaF7	782371	$n_d = 1.78179$	$\nu_d = 37.09$	$n_F - n_c = 0.021077$
		$n_e = 1.78679$	$\nu_e = 36.83$	$n_{F'} - n_{c'} = 0.021366$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	λ (nm)		$P_{d,c}$	0.2940	$P'_{d,c'}$	0.2446	λ (nm)	τ 5 mm	τ 10 mm
n_t	1014.0	1.76035	$P_{e,d}$	0.2370	$P'_{e,d}$	0.2338	2400	0.905	0.82
n_r	706.5	1.77216	$P_{g,F}$	0.5806	$P'_{g,F'}$	0.5138	2200	0.966	0.934
n_c	656.3	1.77559					2000	0.988	0.976
$n_{c'}$	643.8	1.77657	Chemical Properties				1800	0.995	0.990
n_{He-Ne}	632.8	1.77748			Grade		1600	0.998	0.997
n_D	589.3	1.78161	RC(S)		1		1400	0.997	0.995
n_d	587.6	1.78179	RA(S)		3		1200	0.999	0.998
n_e	546.1	1.78679	D _W		1		1060	0.999	0.998
n_F	486.1	1.79667	D _A		5		1000	0.999	0.998
$n_{F'}$	480.0	1.79793					950	0.999	0.998
n_g	435.8	1.80891	Thermal Properties				900	0.997	0.995
n_h	404.7	1.81950	T _g (°C)		659		850	0.996	0.993
n_i	365.0	1.83870	T _s (°C)		699		800	0.998	0.997
			T ₁₀ ^{14.5} (°C)		603		700	0.998	0.996
Constants of Dispersion Formula			T ₁₀ ¹³ (°C)		650		650	0.997	0.994
A ₀	3.0798693		T ₁₀ ^{7.6} (°C)				600	0.996	0.992
A ₁	$-1.2098823 \times 10^{-2}$		$\alpha_{20/120^\circ\text{C}}(10^{-7}/\text{K})$		82		550	0.994	0.989
A ₂	3.1337189×10^{-2}		$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$		95		500	0.989	0.978
A ₃	9.8583688×10^{-4}		λ (W/m · K)				480	0.985	0.971
A ₄	$-1.3379864 \times 10^{-5}$		Mechanical Properties				460	0.980	0.961
A ₅	5.4990762×10^{-6}		H _K (10 ⁷ Pa)				440	0.972	0.945
Deviation of Relative Partial Dispersions ΔP from the "Normal Line"			F _A		161		420	0.958	0.918
$\Delta P_{F,e}$	-0.0004		E (10 ⁷ Pa)				400	0.917	0.84
$\Delta P_{g,F}$	-0.0019		G (10 ⁷ Pa)				390	0.87	0.76
			μ				380	0.79	0.62
			B (10 ⁻¹² /Pa)				370	0.63	0.40
			Other Properties				360	0.37	0.14
			ρ (g/cm ³)		3.77		350	0.11	0.01
Temperature Coefficients of Refractive Index									
Rang of Temperature	dn/dt relative(10 ⁻⁶ /°C)								
	t	C'	d	e	F'	g			
-40~-20	0.4	0.7	1.5	1.7	2.0	3.4	340		
-20~0	0.9	1.7	2.5	2.7	3.7	4.2	330		
0~20	1.3	2.0	2.5	2.9	3.7	4.4	320		
20~40	1.4	2.2	2.6	2.9	3.7	5.0	310		
40~60	1.6	2.3	2.7	2.9	3.8	5.2	300		
60~80	1.7	2.5	2.7	3.0	3.9	5.1	290		
							280		
			Coloration Code						
			λ_{80}/λ_5		43/36				