

H-LaF2	717479	$n_d = 1.71700$	$v_d = 47.89$	$n_F - n_C = 0.014972$
		$n_e = 1.72056$	$v_e = 47.65$	$n_{F'} - n_{C'} = 0.015122$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	λ (nm)		$P_{d,c}$	0.3016	$P'_{d,c'}$	0.2512	λ (nm)	τ 5 mm	τ 10 mm
n_t	1014.0	1.70107	$P_{e,d}$	0.2380	$P'_{e,d}$	0.2356	2400	0.89	0.80
n_r	706.5	1.70997	$P_{g,F}$	0.5604	$P'_{g,F'}$	0.4973	2200	0.956	0.913
n_c	656.3	1.71248					2000	0.982	0.965
$n_{c'}$	643.8	1.71320	Chemical Properties				1800	0.992	0.984
n_{He-Ne}	632.8	1.71387			Grade		1600	0.999	0.998
n_D	589.3	1.71687	RC(S)		1		1400	0.999	0.998
n_d	587.6	1.71700	RA(S)		3		1200	0.999	0.998
n_e	546.1	1.72056	D _W		1		1060	0.999	0.998
n_F	486.1	1.72745	D _A		6		1000	0.999	0.998
$n_{F'}$	480.0	1.72832					950	0.999	0.998
n_g	435.8	1.73584	Thermal Properties				900	0.999	0.998
n_h	404.7	1.74291	T _g (°C)		666		850	0.999	0.998
n_i	365.0	1.75526	T _s (°C)		704		800	0.999	0.998
			T ₁₀ ^{14.5} (°C)		612		700	0.998	0.997
			T ₁₀ ¹³ (°C)		650		650	0.998	0.996
			T ₁₀ ^{7.6} (°C)				600	0.998	0.996
			$\alpha_{20/120^\circ C}(10^{-7}/K)$		79		550	0.997	0.995
			$\alpha_{100/300^\circ C}(10^{-7}/K)$		91		500	0.996	0.993
			λ (W/m · K)				480	0.995	0.991
							460	0.993	0.987
			Mechanical Properties				440	0.992	0.984
			H _K (10 ⁷ Pa)		561		420	0.989	0.978
			F _A		205		400	0.977	0.954
			E (10 ⁷ Pa)		9061		390	0.962	0.925
			G (10 ⁷ Pa)		3524		380	0.934	0.873
			μ		0.286		370	0.88	0.77
			B (10 ⁻¹² /Pa)				360	0.77	0.59
							350	0.57	0.32
			Other Properties				340	0.26	0.07
			ρ (g/cm ³)		4.25		330		
							320		
							310		
							300		
							290		
							280		
							Coloration Code		
							λ_{80}/λ_5	39/34	
Constants of Dispersion Formula									
A ₀	2.8722293								
A ₁	$-5.7088356 \times 10^{-3}$								
A ₂	2.9242175×10^{-2}								
A ₃	$-1.4611532 \times 10^{-3}$								
A ₄	2.5252525×10^{-4}								
A ₅	$-1.0867241 \times 10^{-5}$								
Deviation of Relative Partial Dispersions ΔP from the "Normal Line"									
$\Delta P_{F,e}$	-0.0030								
$\Delta P_{g,F}$	-0.0038								
Temperature Coefficients of Refractive Index									
Rang of Temperature	dn/dt relative(10 ⁻⁶ /°C)								
	t	C'	d	e	F'	g			
-40~-20	-1.0	-0.6	-0.3	-0.1	0.5	0.8			
-20~0	-1.0	-0.6	-0.3	0.0	0.5	1.0			
0~20	-0.6	0.1	0.6	0.7	1.4	1.8			
20~40	-0.2	0.7	1.0	1.2	1.5	2.0			
40~60	0.2	0.8	1.0	1.1	1.6	2.2			
60~80	0.3	0.9	1.1	1.2	1.7	2.4			