

H-BaF3	580537	$n_d = 1.57957$	$\nu_d = 53.71$	$n_F - n_c = 0.010790$
		$n_e = 1.58214$	$\nu_e = 53.42$	$n_{F'} - n_{c'} = 0.010898$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	λ (nm)		$P_{d,c}$	0.3021	$P'_{d,c'}$	0.2514	λ (nm)	τ 5 mm	τ 10 mm
n_t	1014.0	1.56778	$P_{e,d}$	0.2373	$P'_{e,d}$	0.2349	2400	0.931	0.867
n_r	706.5	1.57448	$P_{g,F}$	0.5524	$P'_{g,F'}$	0.4891	2200	0.953	0.908
n_c	656.3	1.57631					2000	0.984	0.968
$n_{c'}$	643.8	1.57683	Chemical Properties				1800	0.990	0.981
n_{He-Ne}	632.8	1.57731					1600	0.995	0.990
n_D	589.3	1.57947					1400	0.994	0.988
n_d	587.6	1.57957					1200	0.999	0.998
n_e	546.1	1.58213					1060	0.999	0.999
n_F	486.1	1.58710					1000	0.999	0.998
$n_{F'}$	480.0	1.58773					950	0.999	0.998
n_g	435.8	1.59307					900	0.999	0.998
n_h	404.7	1.59806					850	0.999	0.998
n_i	365.0	1.60670					800	0.999	0.998
							700	0.999	0.998
							650	0.999	0.998
Constants of Dispersion Formula							600	0.999	0.998
A_0	2.4516840						550	0.998	0.997
A_1	$-8.6208267 \times 10^{-3}$						500	0.998	0.996
A_2	1.5349780×10^{-2}						480	0.998	0.996
A_3	1.8255503×10^{-4}						460	0.997	0.994
A_4	1.4144995×10^{-5}						440	0.996	0.993
A_5	$-1.6815996 \times 10^{-7}$						420	0.995	0.991
							400	0.995	0.990
Deviation of Relative Partial Dispersions ΔP from the "Normal Line"							390	0.992	0.984
$\Delta P_{F,e}$	0.0003						380	0.987	0.974
$\Delta P_{g,F}$	-0.0019						370	0.976	0.953
							360	0.947	0.896
							350	0.871	0.759
							340	0.751	0.465
							330	0.321	0.103
							320		
							310		
							300		
							290		
							280		
							Coloration Code		
							λ_{80}/λ_5	36/33	
Temperature Coefficients of Refractive Index									
Rang of Temperature	dn/dt relative($10^{-6}/^{\circ}\text{C}$)								
	t	C'	d	e	F'	g			
-40~-20	3.2	3.7	4.0	4.2	4.5	5.1			
-20~0	3.3	3.7	3.8	4.2	4.5	4.8			
0~20	3.2	3.5	3.6	4.1	4.2	4.6			
20~40	2.9	3.8	4.0	4.1	4.5	5.1			
40~60	3.5	3.8	4.3	4.3	4.9	5.3			
60~80	3.8	4.1	4.3	4.3	5.0	5.4			