H-LaF52 786442	n_d =1.78590	υ_d =44.19	$n_F - n_C$ =0.017786
	n_e =1.79013	υ_e =43.93	$n_{F'} - n_{C'}$ =0.017988

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.76701
n_r	706.5	1.77762
n_c	656.3	1.78059
$n_{c'}$	643.8	1.78142
n_{He-Ne}	632.8	1.78221
n_D	589.3	1.78574
n_d	587.6	1.78590
n_e	546.1	1.79013
n_F	486.1	1.79837
$n_{F'}$	480.0	1.79941
n_g	435.8	1.80837
n_h	404.7	1.81684
n_i	365.0	1.83164

Constants of Dispersion Formula	
A_0	3.1086885
A_1	-1.3580990×10^{-2}
A_2	2.7901619×10^{-2}
A_3	4.6009492×10^{-4}
A_4	3.2081147×10^{-5}
A_5	-2.8145893×10^{-7}

Deviation of Relative Partial Dispersions ΔP from the"Normal Line"	
$\Delta P_{F,e}$	-0.0022
$\Delta Pg_{,F}$	-0.0082

Relative Partial Dispersions			
$P_{d,c}$	0.2985	$P'_{d,c'}$	0.2491
$P_{e,d}$	0.2378	$P'_{e,d}$	0.2352
$P_{g,F}$	0.5622	$P'_{g,F'}$	0.4981

Chemical Properties	
	Grade
RC(S)	1
RA(S)	3
D_W	1
D_A	2

Thermal Properties	
T_g (℃)	588
T_s (℃)	625
$T_{10^{14.5}}$ (℃)	558
$T_{10^{13}}$ (℃)	584
$T_{10^{7.6}}$(℃)	686
$\alpha_{20/120℃}$(10^{-7}/K)	61
$\alpha_{100/300℃}$(10^{-7}/K)	72
λ (W/m・K)	

Mechanical Properties	
H_K (10^7Pa)	668
F_A	
E (10^7Pa)	11290
G (10^7Pa)	4350
μ	0.297
B (10^{-12}/Pa)	

Other Properties	
ρ (g/cm^3)	4.39

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.76	0.58
2200	0.88	0.77
2000	0.968	0.937
1800	0.978	0.956
1600	0.992	0.985
1400	0.997	0.995
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.998	0.996
700	0.995	0.990
650	0.994	0.989
600	0.994	0.988
550	0.994	0.988
500	0.992	0.984
480	0.990	0.980
460	0.988	0.976
440	0.984	0.969
420	0.978	0.957
400	0.964	0.929
390	0.949	0.90
380	0.927	0.86
370	0.89	0.79
360	0.84	0.70
350	0.76	0.58
340	0.66	0.43
330	0.49	0.24
320	0.24	0.06
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	40/32

Temperature Coefficients of Refractive Index

Rang of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-40～-20	5.8	6.1	6.6	7.3	8.1	8.5
-20～0	6.3	6.7	7.4	7.8	8.3	8.9
0～20	6.6	7.5	7.6	7.9	8.5	9.5
20～40	6.6	7.6	7.8	7.9	9.2	9.6
40～60	6.7	8.1	8.3	8.4	9.3	10.3
60～80	7.2	8.2	8.6	8.7	9.6	10.6