H-ZLaF55F 835427

n_d = 1.83481	υ_d = 42.72	$n_F - n_C$ = 0.019541
n_e = 1.83944	υ_e = 42.49	$n_{F'} - n_{C'}$ = 0.019757

Refractive Indices		
	λ(nm)	
n_r	706.5	1.82562
n_C	656.3	1.82896
$n_{C'}$	643.8	1.82989
n_{He-Ne}	632.8	1.83076
n_D	589.3	1.83464
n_d	587.6	1.83481
n_e	546.1	1.83944
n_F	486.1	1.84850
$n_{F'}$	480.0	1.84965
n_g	435.8	1.85955
n_h	404.7	1.86892
n_i	365.0	1.88537

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

Thermal Properties	
Tg(℃)	684
Ts(℃)	709
$T_{10}^{14.5}$(℃)	637
T_{10}^{13}(℃)	643
$\alpha_{20/120℃}$ (10^{-7}/K)	63
$\alpha_{20/300℃}$ (10^{-7}/K)	71
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.818	0.669
2200	0.933	0.870
2000	0.958	0.918
1800	0.970	0.941
1600	0.994	0.988
1400	0.998	0.996
1200	0.998	0.996
1060	0.998	0.996
1000	0.998	0.996
950	0.998	0.996
900	0.998	0.996
850	0.998	0.996
800	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.997	0.994
480	0.995	0.990
460	0.993	0.986
440	0.989	0.978
420	0.983	0.966
400	0.969	0.939
390	0.955	0.912
380	0.933	0.870
370	0.896	0.803
360	0.836	0.699
350	0.735	0.540
340	0.561	0.315
330	0.286	0.082
320		
310		
300		
290		
280		

Constants of Dispersion Formula	
A_0	3.3229153
A_1	-5.3042782×10-2
A_2	8.6109630×10-3
A_3	5.7737001×10-3
A_4	-5.4346653×10-4
A_5	2.4791899×10-5

Mechanical Properties	
H_K(10^7Pa)	685
F_A	62
E(10^7Pa)	12200
G(10^7Pa)	4700
μ	0.300
B(10^{-12}/Pa)	1.34

Relative Partial Dispersion			
$P_{d,c}$	0.2992	$P'_{d,c'}$	0.2489
$P_{e,d}$	0.2370	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5655	$P'_{g,F'}$	0.5012

Anomalous dispersions	
$\Delta P_{F,e}$	-0.0030
$\Delta P_{g,F}$	-0.0071

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40～-20							
-20～0							
0～20							
20～40							
40～60							
60～80							

Density	
ρ(g/cm^3)	4.66

Coloration Code			
λ_{80}/λ_5	40/33	λ_{70}/λ_5	