

H-ZLaF75 950294	$n_d = 1.95000$	$v_d = 29.37$	$n_F - n_C = 0.032350$
	$n_e = 1.95764$	$v_e = 29.15$	$n_{F'} - n_{C'} = 0.032852$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	1.91478
n_t	1013.98	1.91838
n_s	852.11	1.92534
$n_{A'}$	768.19	1.93052
n_r	706.52	1.93550
n_C	656.27	1.94063
$n_{C'}$	643.85	1.94209
$n_{\text{He-Ne}}$	632.80	1.94346
n_D	589.29	1.94972
n_d	587.56	1.95000
n_e	546.07	1.95764
n_F	486.13	1.97298
$n_{F'}$	479.99	1.97494
n_g	435.84	1.99239
n_h	404.66	2.00956
n_i	365.01	

Constants of Dispersion Formula	
A_0	3.64292365E+00
A_1	-1.42947125E-02
A_2	5.20033015E-02
A_3	1.31391485E-03
A_4	9.97387202E-05
A_5	6.08040455E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2896	$P'_{d,C'}$	0.2408
$P_{e,d}$	0.2362	$P'_{e,d}$	0.2326
$P_{g,F}$	0.6000	$P'_{g,F'}$	0.5312

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

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D _w	1
D _A	1
R _{OH} (S)	
RP(S)	1

Thermal Properties	
T _g (°C)	666
T _s (°C)	706
T ₁₀ ^{14.5} (°C)	617
T ₁₀ ¹³ (°C)	653
$\alpha_{-50/80^\circ\text{C}}$ ($10^{-7}/\text{K}$)	68
$\alpha_{100/300^\circ\text{C}}$ ($10^{-7}/\text{K}$)	83

Mechanical Properties	
HK(10^7Pa)	625
F _A	66
E(10^7Pa)	11784
G(10^7Pa)	4529
μ	0.301
B(nm/cm/ 10^5Pa)	

Density	
ρ (g/cm ³)	4.77

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0002
$\Delta P_{g,F}$	0.0052
$\Delta P_{C,t}$	0.0054
$\Delta P_{C,s}$	0.0018

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.926	0.857
2200	0.976	0.953
2000	0.983	0.966
1800	0.996	0.992
1600	0.996	0.992
1400	0.996	0.992
1200	0.996	0.992
1060	0.996	0.992
1000	0.996	0.992
900	0.996	0.992
850	0.996	0.992
800	0.996	0.992
750	0.996	0.992
700	0.996	0.992
650	0.996	0.992
600	0.996	0.992
550	0.991	0.982
500	0.981	0.962
480	0.968	0.937
460	0.953	0.908
440	0.929	0.863
420	0.870	0.757
400	0.730	0.533
390	0.604	0.365
380	0.426	0.181
370	0.212	0.045
360	0.165	0.027
350		
340		
330		
320		
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	(430)/370

Coloration of Internal Transmittance	
$\lambda\tau_{80}$	
$\lambda\tau_5$	