

H-TF3L 613441	$n_d = 1.61340$	$v_d = 44.11$	$n_F - n_C = 0.013907$
	$n_e = 1.61669$	$v_e = 43.91$	$n_{F'} - n_{C'} = 0.014044$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	1.59637
n_t	1013.98	1.59841
n_s	852.11	1.60205
$n_{A'}$	768.19	1.60458
n_r	706.52	1.60691
n_C	656.27	1.60924
$n_{C'}$	643.85	1.60990
$n_{\text{He-Ne}}$	632.80	1.61052
n_D	589.29	1.61328
n_d	587.56	1.61340
n_e	546.07	1.61669
n_F	486.13	1.62315
$n_{F'}$	479.99	1.62394
n_g	435.84	1.63097
n_h	404.66	1.63764
n_i	365.01	1.64934

Constants of Dispersion Formula	
A_0	2.54672631E+00
A_1	-1.10896155E-02
A_2	1.99795973E-02
A_3	1.28641986E-04
A_4	5.45332539E-05
A_5	-1.63983011E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2991	$P'_{d,C'}$	0.2493
$P_{e,d}$	0.2365	$P'_{e,d}$	0.2343
$P_{g,F}$	0.5622	$P'_{g,F'}$	0.5007

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative (10 ⁻⁶ / °C)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	4.3	4.8	4.8	5.0	5.2	5.7	6.2
-20 ~ 0	4.3	4.8	4.9	5.0	5.3	5.8	6.3
0 ~ 20	4.3	4.9	4.9	5.1	5.3	5.9	6.4
20 ~ 40	4.3	4.9	4.9	5.1	5.4	5.9	6.5
40 ~ 60	4.4	5.0	5.0	5.2	5.5	6.0	6.6
60 ~ 80	4.4	5.0	5.1	5.3	5.6	6.2	6.8

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

Thermal Properties	
T _g (°C)	584
T _s (°C)	632
T ₁₀ ^{14.5} (°C)	509
T ₁₀ ¹³ (°C)	552
$\alpha_{-50/80^\circ\text{C}}$ (10 ⁻⁷ /K)	62
$\alpha_{100/300^\circ\text{C}}$ (10 ⁻⁷ /K)	78

Mechanical Properties	
HK(10 ⁷ Pa)	560
F _A	111
E(10 ⁷ Pa)	8804
G(10 ⁷ Pa)	3579
μ	0.230
B(nm/cm/10 ⁵ Pa)	3.470

Density	
ρ (g/cm ³)	2.84

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0014
$\Delta P_{g,F}$	-0.0081
$\Delta P_{C,t}$	0.0247
$\Delta P_{C,s}$	0.0106

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.885	0.782
2200	0.953	0.907
2000	0.994	0.988
1800	0.998	0.996
1600	0.998	0.996
1400	0.998	0.996
1200	0.998	0.996
1060	0.998	0.996
1000	0.998	0.996
900	0.998	0.996
850	0.998	0.996
800	0.998	0.996
750	0.998	0.996
700	0.998	0.996
650	0.998	0.996
600	0.998	0.996
550	0.998	0.996
500	0.996	0.990
480	0.993	0.984
460	0.989	0.978
440	0.985	0.972
420	0.981	0.966
400	0.975	0.959
390	0.969	0.939
380	0.961	0.922
370	0.945	0.897
360	0.928	0.863
350	0.892	0.798
340	0.825	0.685
330	0.647	0.418
320	0.235	0.057
310		
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/320

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	349/321