H-F1 603380

n_d = 1.60342	υ_d = 38.01	$n_F - n_C$ = 0.015875
n_e = 1.60718	υ_e = 37.74	$n_{F'} - n_{C'}$ = 0.016088

Refractive Indices		
	λ(nm)	n_λ
n_{2325}	2325.42	1.56760
n_{1970}	1970.09	1.57308
n_{1530}	1529.58	1.57923
n_{1129}	1128.64	1.58506
n_t	1013.98	1.58713
n_s	852.11	1.59091
$n_{A'}$	768.19	1.59361
n_r	706.52	1.59615
n_C	656.27	1.59874
$n_{C'}$	643.85	1.59948
n_{He-Ne}	632.80	1.60017
n_D	589.29	1.60328
n_d	587.56	1.60342
n_e	546.07	1.60718
n_F	486.13	1.61462
$n_{F'}$	479.99	1.61557
n_g	435.84	1.62386
n_h	404.66	1.63190
n_i	365.01	1.64667

Constants of Dispersion Formula	
A_0	2.50960367E+00
A_1	-1.03328069E-02
A_2	1.94468683E-02
A_3	1.23207636E-03
A_4	-9.94382918E-05
A_5	9.44281258E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2947	$P'_{d,c'}$	0.2449
$P_{e,d}$	0.2368	$P'_{e,d}$	0.2337
$P_{g,F}$	0.5819	$P'_{g,F'}$	0.5152

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D_W	1
D_A	1
R_{OH}(S)	1
RP(S)	1

Thermal Properties	
Tg(℃)	578
Ts(℃)	622
$T_{10}^{14.5}$(℃)	517
T_{10}^{13}(℃)	565
$\alpha_{-50/80℃}$(10^{-7}/K)	81
$\alpha_{100/300℃}$(10^{-7}/K)	101

Mechanical Properties	
HK(10^7Pa)	491
F_A	141
E(10^7Pa)	7847
G(10^7Pa)	3197
μ	0.227
B(nm/cm/10^5Pa)	2.840

Density	
ρ (g/cm^3)	2.63

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	-0.0007
$\triangle P_{g,F}$	0.0014
$\triangle P_{C,t}$	0.0068
$\triangle P_{C,s}$	0.0014

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.938	0.867
2200	0.950	0.892
2000	0.987	0.961
1800	0.996	0.982
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.999	0.998
750	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	0.999	0.998
480	0.998	0.996
460	0.997	0.993
440	0.995	0.990
420	0.991	0.981
400	0.985	0.965
390	0.975	0.944
380	0.940	0.867
370	0.841	0.683
360	0.540	0.279
350	0.112	0.018
340		
330		
320		
310		
300		
290		
280		

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	1.8	2.4	2.4	2.6	2.8	3.5	4.2
-20 ~ 0	1.7	2.3	2.4	2.6	2.9	3.5	4.3
0 ~ 20	1.7	2.4	2.4	2.6	2.9	3.6	4.4
20 ~ 40	1.7	2.4	2.4	2.7	2.9	3.7	4.5
40 ~ 60	1.8	2.5	2.5	2.7	3.0	3.8	4.7
60 ~ 80	1.8	2.6	2.6	2.8	3.1	3.9	4.9

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	380/355

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	375/354