H-KF6 517522

n_d = 1.51742	υ_d = 52.15	$n_F - n_C$ = 0.009922
n_e = 1.51977	υ_e = 51.85	$n_{F'} - n_{C'}$ = 0.010024

Refractive Indices		
	λ(nm)	n_λ
n_{2325}	2325.42	1.49021
n_{1970}	1970.09	1.49506
n_{1530}	1529.58	1.50035
n_{1129}	1128.64	1.50502
n_t	1013.98	1.50656
n_s	852.11	1.50923
$n_{A'}$	768.19	1.51107
n_r	706.52	1.51274
n_C	656.27	1.51444
$n_{C'}$	643.85	1.51491
n_{He-Ne}	632.80	1.51535
n_D	589.29	1.51733
n_d	587.56	1.51742
n_e	546.07	1.51977
n_F	486.13	1.52436
$n_{F'}$	479.99	1.52493
n_g	435.84	1.52995
n_h	404.66	1.53469
n_i	365.01	1.54307

Constants of Dispersion Formula	
A_0	2.26643234E+00
A_1	-8.87542951E-03
A_2	1.23508425E-02
A_3	4.50094806E-04
A_4	-2.23157471E-05
A_5	2.26790778E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3004	$P'_{d,c'}$	0.2505
$P_{e,d}$	0.2369	$P'_{e,d}$	0.2345
$P_{g,F}$	0.5635	$P'_{g,F'}$	0.5010

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D_W	1
D_A	2
R_{OH}(S)	2
RP(S)	1

Thermal Properties	
Tg(℃)	446
Ts(℃)	537
$T_{10}^{14.5}$(℃)	407
T_{10}^{13}(℃)	430
$\alpha_{-50/80℃}(10^{-7}/K)$	91
$\alpha_{100/300℃}(10^{-7}/K)$	102

Mechanical Properties	
HK(10^7Pa)	432
F_A	107
E(10^7Pa)	5736
G(10^7Pa)	2351
μ	0.220
B(nm/cm/10^5Pa)	3.010

Density	
ρ (g/cm^3)	2.52

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0013
$\triangle P_{g,F}$	0.0065
$\triangle P_{C,t}$	0.0015
$\triangle P_{C,s}$	-0.0004

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.929	0.861
2200	0.956	0.910
2000	0.994	0.987
1800	0.997	0.994
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	0.999	0.998
460	0.999	0.998
440	0.998	0.996
420	0.997	0.993
400	0.995	0.991
390	0.993	0.989
380	0.987	0.979
370	0.976	0.957
360	0.936	0.879
350	0.783	0.618
340	0.390	0.154
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	-1.1	-0.7	-0.7	-0.6	-0.5	-0.1	0.2
-20 ~ 0	-1.2	-0.8	-0.7	-0.6	-0.5	-0.1	0.3
0 ~ 20	-1.1	-0.7	-0.7	-0.5	-0.4	0.0	0.4
20 ~ 40	-1.0	-0.6	-0.6	-0.4	-0.3	0.1	0.5
40 ~ 60	-0.9	-0.5	-0.4	-0.3	-0.1	0.3	0.7
60 ~ 80	-0.8	-0.3	-0.3	-0.2	0.0	0.4	0.9

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/340

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