H-QF6 532488

n_d = 1.53172	υ_d = 48.84	$n_F - n_C$ = 0.010887
n_e = 1.53431	υ_e = 48.53	$n_{F'} - n_{C'}$ = 0.011010

Refractive Indices		
	λ(nm)	n_λ
n_{2325}	2325.42	
n_{1970}	1970.09	
n_{1530}	1529.58	
n_{1129}	1128.64	
n_t	1013.98	
n_s	852.11	
$n_{A'}$	768.19	
n_r	706.52	1.52663
n_C	656.27	1.52847
$n_{C'}$	643.85	1.52898
n_{He-Ne}	632.80	1.52946
n_D	589.29	1.53162
n_d	587.56	1.53172
n_e	546.07	1.53431
n_F	486.13	1.53935
$n_{F'}$	479.99	1.53999
n_g	435.84	1.54551
n_h	404.66	1.55079
n_i	365.01	1.56020

Constants of Dispersion Formula	
A_0	2.30547001E+00
A_1	-8.97881287E-03
A_2	1.40442503E-02
A_3	3.75240216E-04
A_4	-7.16733746E-06
A_5	2.02611869E-06

Relative Partial Dispersions			
$P_{d,C}$	0.2987	$P'_{d,c'}$	0.2489
$P_{e,d}$	0.2381	$P'_{e,d}$	0.2352
$P_{g,F}$	0.5662	$P'_{g,F'}$	0.5014

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

Thermal Properties	
Tg(℃)	513
Ts(℃)	593
$T_{10}^{14.5}$(℃)	465
T_{10}^{13}(℃)	495
$\alpha_{-50/80℃}(10^{-7}/K)$	
$\alpha_{100/300℃}(10^{-7}/K)$	103

Mechanical Properties	
HK(10^7Pa)	461
F_A	117
E(10^7Pa)	6996
G(10^7Pa)	2865
μ	0.221
B(nm/cm/10^5Pa)	

Density	
ρ (g/cm^3)	2.52

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0000
$\triangle P_{g,F}$	0.0037
$\triangle P_{C,t}$	
$\triangle P_{C,s}$	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.934	0.861
2200	0.944	0.882
2000	0.989	0.973
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	0.997
500	0.998	0.996
480	0.998	0.995
460	0.997	0.994
440	0.996	0.993
420	0.995	0.992
400	0.994	0.991
390	0.992	0.984
380	0.989	0.973
370	0.973	0.943
360	0.918	0.841
350	0.727	0.521
340	0.279	0.076
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							
-20 ~ 0							
0 ~ 20							
20 ~ 40							
40 ~ 60							
60 ~ 80							

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

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