H-FK70 457903

n_d = 1.45650	υ_d = 90.27	$n_F - n_C$ = 0.005057
n_e = 1.45771	υ_e = 89.84	$n_{F'} - n_{C'}$ = 0.005095

Refractive Indices		
	λ(nm)	
n_r	706.5	1.45406
n_C	656.3	1.45495
$n_{C'}$	643.8	1.45520
n_{He-Ne}	632.8	1.45543
n_D	589.3	1.45645
n_d	587.6	1.45650
n_e	546.1	1.45771
n_F	486.1	1.46001
$n_{F'}$	480.0	1.46029
n_g	435.8	1.46271
n_h	404.7	1.46493
n_i	365.0	1.46864

Chemical Properties (grade)	
RC(S)	1
RA(S)	2
D_W	1
D_A	2

Thermal Properties	
Tg(℃)	456
Ts(℃)	498
$T_{10}^{14.5}$(℃)	423
T_{10}^{13}(℃)	438
$\alpha_{20/120℃}$ (10^{-7}/K)	152
$\alpha_{20/300℃}$ (10^{-7}/K)	162
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400		
2200		
2000		
1800		
1600		
1400		
1200		
1060		
1000		
950		
900		
850	0.997	0.996
800	0.997	0.997
700	0.998	0.997
650	0.998	0.998
600	0.998	0.998
550	0.998	0.998
500	0.998	0.997
480	0.998	0.997
460	0.997	0.996
440	0.997	0.996
420	0.997	0.996
400	0.998	0.996
390	0.998	0.997
380	0.997	0.996
370	0.995	0.992
360	0.990	0.982
350	0.980	0.960
340	0.954	0.914
330	0.905	0.820
320	0.820	0.670
310	0.675	0.468
300	0.510	0.260
290	0.167	0.025
280		

Constants of Dispersion Formula	
A_0	2.103249
A_1	-5.0247988×10-3
A_2	6.5323077×10-3
A_3	1.3078405×10-4
A_4	-6.3652072×10-6
A_5	1.9254745×10-7

Mechanical Properties	
H_K(10^7Pa)	378
F_A	
E(10^7Pa)	6230
G(10^7Pa)	2539
μ	0.227
B(10^{-12}/Pa)	

Relative Partial Dispersion			
$P_{d,c}$	0.2545	$P'_{d,c'}$	0.2552
$P_{e,d}$	0.1987	$P'_{e,d}$	0.2375
$P_{g,F}$	0.5339	$P'_{g,F'}$	0.4750

Anomalous dispersions	
$\Delta P_{F,e}$	0.0143
$\Delta P_{g,F}$	0.0419

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							

Density	
ρ(g/cm^3)	3.61

Coloration Code			
λ_{80}/λ_5	37/31	λ_{70}/λ_5	