

H-FK69	593686	$n_d = 1.59282$	$v_d = 68.63$	$n_F - n_C = 0.008638$
		$n_e = 1.59489$	$v_e = 68.25$	$n_F - n_C = 0.008716$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.57002
n_{1970}	1970.09	1.57383
n_{1530}	1529.58	1.57808
n_{1129}	1128.64	1.58198
n_{1064}	1064.00	1.58269
n_t	1013.98	1.58328
n_s	852.11	1.58561
$n_{A'}$	768.19	1.58723
n_f	706.52	1.58873
n_C	656.27	1.59021
$n_{C'}$	643.85	1.59062
n_{He-Ne}	632.80	1.59101
n_D	589.29	1.59275
n_d	587.56	1.59282
n_e	546.07	1.59489
n_F	486.13	1.59884
$n_{F'}$	479.99	1.59934
n_g	435.84	1.60354
n_h	404.66	1.60740
n_i	365.01	1.61397

Relative Partial Dispersion	
$P_{d,C}$	0.3022
$P_{e,d}$	0.2396
$P_{g,F}$	0.5441
$P'_{d,c'}$	0.2524
$P'_{e,d}$	0.2375
$P'_{g,F'}$	0.4819

Chemical Properties (grade)	
RC (S)	1
RA (S)	1
D _w	1
D _A	3
R _{OH} (S)	2
RP (S)	2
CR	1

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.999	0.998
2200	0.999	0.998
2000	0.999	0.998
1800	0.999	0.998
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
950	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	0.999	0.998
420	0.998	0.996
400	0.997	0.994
390	0.995	0.990
380	0.990	0.978
370	0.978	0.956
360	0.955	0.909
350	0.912	0.829
340	0.839	0.702
330	0.728	0.530
320	0.591	0.350
310	0.448	0.201
300	0.325	0.107
290	0.235	0.056
280	0.175	0.032

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0050
$\Delta P_{g,F}$	0.0145
$\Delta P_{C,t}$	-0.0704
$\Delta P_{C,s}$	-0.0326

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	103
-40/-30	105
-30/-20	107
-20/-10	108
-10/0	109
0/10	110
10/20	111
20/30	112
30/40	113
40/50	114
50/60	115
60/70	116
70/80	117
80/90	118
90/100	119
100/110	120
110/120	122
120/130	123
130/140	124
140/150	125
150/160	127

Thermal Properties	
T _g ($^{\circ}C$)	584
T _s ($^{\circ}C$)	608
T ₁₀ ^{14.5} ($^{\circ}C$)	564
T ₁₀ ¹³ ($^{\circ}C$)	575
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	113
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	136
λ (W/(m K))	0.64

Constants of Dispersion Formula	
A ₀	2.50210584E+00
A ₁	-7.29437368E-03
A ₂	1.22873858E-02
A ₃	2.57463363E-04
A ₄	-1.16391265E-05
A ₅	6.15553004E-07

Mechanical Properties	
HK (10^7 Pa)	390
F _A	365
E (GPa)	73.3
G (GPa)	28.2
μ	0.298
σ_b (MPa)	42
B (10^{-12} /Pa)	0.44

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
4.07	-1.3

Range of Temperature ($^{\circ}C$)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($\times 10^{-6}/^{\circ}C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	-5.0	-4.9	-4.8	-4.8	-4.8	-4.7	-4.6	-4.5	-4.5	-4.3
-40 ~ -20	-5.4	-5.3	-5.2	-5.2	-5.2	-5.1	-5.0	-4.9	-4.8	-4.6
-20 ~ 0	-5.6	-5.5	-5.5	-5.5	-5.5	-5.4	-5.2	-5.1	-5.1	-4.9
0 ~ 20	-5.7	-5.6	-5.6	-5.6	-5.6	-5.5	-5.4	-5.3	-5.3	-5.1
20 ~ 40	-5.8	-5.7	-5.7	-5.7	-5.7	-5.6	-5.5	-5.4	-5.4	-5.2
40 ~ 60	-6.0	-5.9	-5.9	-5.9	-5.8	-5.7	-5.6	-5.5	-5.5	-5.3
60 ~ 80	-6.1	-6.0	-5.9	-5.9	-5.9	-5.7	-5.6	-5.6	-5.5	-5.3
80 ~ 100	-6.2	-6.1	-6.0	-6.0	-6.0	-5.8	-5.7	-5.6	-5.6	-5.3
100 ~ 120	-6.3	-6.2	-6.1	-6.1	-6.1	-6.0	-5.8	-5.7	-5.6	-5.4
120 ~ 140	-6.4	-6.3	-6.2	-6.2	-6.2	-6.1	-5.9	-5.8	-5.7	-5.5
140 ~ 160	-6.6	-6.5	-6.4	-6.3	-6.3	-6.2	-6.1	-6.0	-5.9	-5.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/290
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	345/281

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.56E-05	2.44E-09	-1.24E-11
E ₀	E ₁	λ_{TK}
2.89E-07	2.96E-10	2.33E-01