

H-QF14	596392	$n_d = 1.59551$	$v_d = 39.22$	$n_F - n_C = 0.015183$
		$n_e = 1.59911$	$v_e = 38.95$	$n_{F'} - n_{C'} = 0.015383$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.56078
n_{1970}	1970.09	1.56608
n_{1530}	1529.58	1.57206
n_{1129}	1128.64	1.57777
n_{1064}	1064.00	1.57886
n_t	1013.98	1.57979
n_s	852.11	1.58348
$n_{A'}$	768.19	1.58609
n_f	706.52	1.58854
n_C	656.27	1.59103
$n_{C'}$	643.85	1.59173
n_{He-Ne}	632.80	1.59239
n_D	589.29	1.59538
n_d	587.56	1.59551
n_e	546.07	1.59911
n_F	486.13	1.60621
$n_{F'}$	479.99	1.60712
n_g	435.84	1.61509
n_h	404.66	1.62284
n_i	365.01	1.63695

Relative Partial Dispersion	
$P_{d,C}$	0.2951
$P_{e,d}$	0.2371
$P_{g,F}$	0.5849
$P'_{d,c'}$	0.2457
$P'_{e,d}$	0.2340
$P'_{g,F'}$	0.5181

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

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.958	0.916
2200	0.964	0.927
2000	0.990	0.977
1800	0.994	0.987
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	0.997	0.994
440	0.995	0.990
420	0.993	0.986
400	0.990	0.980
390	0.981	0.961
380	0.956	0.914
370	0.882	0.776
360	0.641	0.413
350	0.185	0.038
340		
330		
320		
310		
300		
290		
280		

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0009
$\Delta P_{g,F}$	0.0064
$\Delta P_{C,t}$	0.0101
$\Delta P_{C,s}$	0.0027

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	73
-40/-30	75
-30/-20	76
-20/-10	76
-10/0	77
0/10	78
10/20	79
20/30	79
30/40	80
40/50	81
50/60	81
60/70	82
70/80	83
80/90	84
90/100	85
100/110	86
110/120	87
120/130	88
130/140	89
140/150	90
150/160	91

Thermal Properties	
T _g ($^{\circ}C$)	540
T _s ($^{\circ}C$)	594
T ₁₀ ^{14.5} ($^{\circ}C$)	483
T ₁₀ ¹³ ($^{\circ}C$)	515
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	80
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	98
λ (W/(m K))	1.13

Constants of Dispersion Formula	
A ₀	2.48576653E+00
A ₁	-9.89034420E-03
A ₂	2.02035248E-02
A ₃	4.92709000E-04
A ₄	1.83898751E-05
A ₅	2.51608701E-06

Mechanical Properties	
HK (10^7 Pa)	534
F _A	168
E (GPa)	75.3
G (GPa)	30.9
μ	0.221
σ_b (MPa)	73
B (10^{-12} /Pa)	3.08

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
2.71	-0.5

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	2.2	2.5	2.7	2.7	2.8	2.9	3.1	3.7	3.8	4.4
-40 ~ -20	2.2	2.5	2.8	2.8	2.8	3.0	3.2	3.7	3.8	4.5
-20 ~ 0	2.3	2.5	2.8	2.8	2.8	3.0	3.2	3.8	3.9	4.6
0 ~ 20	2.3	2.6	2.8	2.8	2.8	3.1	3.4	3.9	4.0	4.8
20 ~ 40	2.3	2.6	2.8	2.8	2.9	3.1	3.4	4.1	4.1	4.9
40 ~ 60	2.3	2.6	2.9	2.9	3.0	3.2	3.5	4.2	4.2	5.1
60 ~ 80	2.3	2.7	2.9	2.9	3.0	3.3	3.6	4.3	4.3	5.2
80 ~ 100	2.4	2.7	2.9	3.0	3.0	3.3	3.7	4.3	4.4	5.3
100 ~ 120	2.4	2.8	2.9	3.0	3.1	3.3	3.8	4.3	4.4	5.4
120 ~ 140	2.5	2.8	2.9	3.0	3.1	3.4	3.9	4.4	4.5	5.5
140 ~ 160	2.5	2.8	2.9	3.0	3.1	3.5	4.1	4.6	4.7	5.7

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	370/350
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	369/350

Constants of dn/dt		
D ₀	D ₁	D ₂
1.19E-06	1.20E-08	-2.83E-11
E ₀	E ₁	λ_{TK}
5.30E-07	5.94E-10	3.05E-01