

H-KF6	517522	$n_d = 1.51742$	$v_d = 52.15$	$n_F - n_C = 0.009922$
		$n_e = 1.51977$	$v_e = 51.85$	$n_{F'} - n_{C'} = 0.010024$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.49023
n_{1970}	1970.09	1.49507
n_{1530}	1529.58	1.50035
n_{1129}	1128.64	1.50503
n_{1064}	1064.00	1.50588
n_t	1013.98	1.50657
n_s	852.11	1.50925
$n_{A'}$	768.19	1.51108
n_r	706.52	1.51276
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	1.52994
n_h	404.66	1.53468
n_i	365.01	1.54305

Constants of Dispersion Formula	
A_0	2.26634630E+00
A_1	-8.85481035E-03
A_2	1.25163602E-02
A_3	3.69483817E-04
A_4	-8.19964870E-06
A_5	1.43231024E-06

Density	
ρ (g/cm ³)	2.52

Solarization	
$\Delta\lambda$ (%)	-4.1

Relative Partial Dispersion	
$P_{d,C}$	0.3003
$P_{e,d}$	0.2368
$P_{g,F}$	0.5624
$P'_{d,c'}$	0.2504
$P'_{e,d}$	0.2344
$P'_{g,F'}$	0.4998

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0012
$\Delta P_{g,F}$	0.0054
$\Delta P_{C,t}$	0.0004
$\Delta P_{C,s}$	-0.0025

Thermal Properties	
T _g (°C)	461
T _s (°C)	536
T ₁₀ ^{14.5} (°C)	407
T ₁₀ ¹³ (°C)	430
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	91
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	102
λ (W/(m·K))	1.04

Mechanical Properties	
HK (10 ⁷ Pa)	432
F _A	107
E (GPa)	56.3
G (GPa)	22.8
μ	0.233
σ_b (MPa)	48.0
B (10 ⁻¹² /Pa)	3.12

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	82
-40/-30	86
-30/-20	88
-20/-10	89
-10/0	90
0/10	91
10/20	92
20/30	92
30/40	93
40/50	93
50/60	94
60/70	94
70/80	95
80/90	96
90/100	96
100/110	97
110/120	98
120/130	99
130/140	100
140/150	101
150/160	102

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
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
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	0.998	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		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/340
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	356/336

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 ⁻⁶ / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	-1.2	-1.0	-0.9	-0.8	-0.8	-0.8	-0.6	-0.3	-0.2	0.2
-40 ~ -20	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.5	-0.2	-0.1	0.3
-20 ~ 0	-1.1	-1.0	-0.9	-0.8	-0.7	-0.6	-0.4	-0.1	-0.1	0.3
0 ~ 20	-1.0	-0.9	-0.8	-0.7	-0.7	-0.5	-0.2	0.0	0.0	0.4
20 ~ 40	-0.9	-0.8	-0.7	-0.5	-0.5	-0.4	-0.2	0.1	0.1	0.6
40 ~ 60	-0.8	-0.7	-0.5	-0.4	-0.4	-0.2	0.0	0.2	0.3	0.7
60 ~ 80	-0.6	-0.5	-0.4	-0.2	-0.2	-0.2	0.1	0.3	0.4	0.9
80 ~ 100	-0.5	-0.4	-0.3	-0.2	-0.2	-0.1	0.3	0.5	0.6	1.1
100 ~ 120	-0.4	-0.3	-0.2	-0.1	-0.1	-0.1	0.5	0.7	0.7	1.2
120 ~ 140	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.5	0.8	0.8	1.3
140 ~ 160	-0.1	0.0	0.1	0.2	0.2	0.2	0.7	0.9	0.9	1.4

Constants of dn/dt		
D ₀	D ₁	D ₂
-5.94E-06	1.78E-08	-2.50E-11
E ₀	E ₁	λ_{TK}
4.20E-07	1.79E-10	2.83E-01