

H-QK3L	487704	$n_d = 1.48749$	$v_d = 70.44$	$n_F - n_C = 0.006921$
		$n_e = 1.48914$	$v_e = 70.24$	$n_{F'} - n_{C'} = 0.006964$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.46249
n_{1970}	1970.09	1.46773
n_{1530}	1529.58	1.47329
n_{1129}	1128.64	1.47783
n_{1064}	1064.00	1.47859
n_t	1013.98	1.47919
n_s	852.11	1.48141
$n_{A'}$	768.19	1.48284
n_r	706.52	1.48411
n_C	656.27	1.48535
$n_{C'}$	643.85	1.48569
n_{He-Ne}	632.80	1.48601
n_D	589.29	1.48743
n_d	587.56	1.48749
n_e	546.07	1.48914
n_F	486.13	1.49227
$n_{F'}$	479.99	1.49266
n_g	435.84	1.49594
n_h	404.66	1.49896
n_i	365.01	1.50405

Constants of Dispersion Formula	
A_0	2.18954799E+00
A_1	-9.65634602E-03
A_2	8.30751905E-03
A_3	3.65672497E-04
A_4	-3.54722930E-05
A_5	1.87564584E-06

Density		Solarization	
ρ (g/cm ³)	2.48	$\Delta\lambda$ (%)	-10.9

Relative Partial Dispersion	
$P_{d,C}$	0.3092
$P_{e,d}$	0.2384
$P_{g,F}$	0.5303
$P'_{d,c'}$	0.2585
$P'_{e,d}$	0.2369
$P'_{g,F'}$	0.4710

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0009
$\Delta P_{g,F}$	0.0037
$\Delta P_{C,t}$	0.0086
$\Delta P_{C,s}$	-0.0002

Thermal Properties	
T _g (°C)	500
T _s (°C)	580
T ₁₀ ^{14.5} (°C)	424
T ₁₀ ¹³ (°C)	463
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	88
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	98
λ (W/(m·K))	1.11

Mechanical Properties	
HK (10 ⁷ Pa)	457
F _A	109
E (GPa)	61.9
G (GPa)	25.3
μ	0.225
σ_b (MPa)	50.2
B (10 ⁻¹² /Pa)	2.71

Chemical Properties (grade)	
RC (S)	1
RA (S)	3
D _W	4
D _A	4
R _{OH} (S)	1
RP (S)	1

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	87
-40/-30	88
-30/-20	89
-20/-10	90
-10/0	91
0/10	92
10/20	92
20/30	93
30/40	93
40/50	94
50/60	94
60/70	95
70/80	96
80/90	96
90/100	97
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	0.925	0.856
2200	0.943	0.889
2000	0.986	0.972
1800	0.995	0.990
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	0.999	0.998
400	0.999	0.998
390	0.999	0.998
380	0.999	0.998
370	0.999	0.998
360	0.999	0.998
350	0.998	0.996
340	0.996	0.992
330	0.989	0.979
320	0.987	0.975
310	0.965	0.932
300	0.920	0.846
290	0.813	0.661
280	0.620	0.384

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	300/265
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	295/265

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	-1.9	-1.8	-1.8	-1.8	-1.8	-1.7	-1.6	-1.3	-1.3	-1.2
-40 ~ -20	-1.9	-1.8	-1.7	-1.7	-1.7	-1.6	-1.5	-1.3	-1.3	-1.2
-20 ~ 0	-1.9	-1.8	-1.7	-1.7	-1.7	-1.6	-1.5	-1.3	-1.3	-1.2
0 ~ 20	-1.8	-1.8	-1.7	-1.7	-1.6	-1.6	-1.5	-1.3	-1.2	-1.1
20 ~ 40	-1.8	-1.7	-1.7	-1.6	-1.6	-1.5	-1.4	-1.2	-1.2	-1.0
40 ~ 60	-1.7	-1.6	-1.6	-1.5	-1.5	-1.5	-1.3	-1.0	-1.0	-0.9
60 ~ 80	-1.6	-1.5	-1.4	-1.4	-1.4	-1.3	-1.2	-0.9	-0.9	-0.8
80 ~ 100	-1.4	-1.3	-1.2	-1.2	-1.2	-1.1	-1.0	-0.8	-0.8	-0.7
100 ~ 120	-1.4	-1.1	-1.0	-1.0	-1.0	-0.9	-0.8	-0.7	-0.7	-0.5
120 ~ 140	-1.2	-1.0	-0.9	-0.9	-0.9	-0.8	-0.6	-0.7	-0.6	-0.4
140 ~ 160	-1.2	-0.9	-0.9	-0.8	-0.8	-0.7	-0.5	-0.5	-0.5	-0.3

Constants of dn/dt		
D ₀	D ₁	D ₂
-8.43E-06	1.76E-08	-1.61E-11
E ₀	E ₁	λ_{TK}
4.36E-07	-4.66E-11	1.20E-01