

H-K10	518590	$n_d = 1.51818$	$v_d = 58.95$	$n_F - n_C = 0.008790$
		$n_e = 1.52027$	$v_e = 58.69$	$n_{F'} - n_{C'} = 0.008865$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.49188
n_{1970}	1970.09	1.49679
n_{1530}	1529.58	1.50212
n_{1129}	1128.64	1.50673
n_{1064}	1064.00	1.50754
n_t	1013.98	1.50821
n_s	852.11	1.51074
$n_{A'}$	768.19	1.51243
n_r	706.52	1.51397
n_C	656.27	1.51549
$n_{C'}$	643.85	1.51592
n_{He-Ne}	632.80	1.51633
n_D	589.29	1.51810
n_d	587.56	1.51818
n_e	546.07	1.52027
n_F	486.13	1.52428
$n_{F'}$	479.99	1.52479
n_g	435.84	1.52908
n_h	404.66	1.53306
n_i	365.01	1.53987

Constants of Dispersion Formula	
A_0	2.27263886E+00
A_1	-9.07293538E-03
A_2	1.14409318E-02
A_3	2.89379329E-04
A_4	-1.16567157E-05
A_5	7.94218946E-07

Density	
ρ (g/cm ³)	2.52

Solarization	
$\Delta\lambda$ (%)	0.0

Relative Partial Dispersion	
$P_{d,C}$	0.3060
$P_{e,d}$	0.2378
$P_{g,F}$	0.5461
$P'_{d,c'}$	0.2549
$P'_{e,d}$	0.2358
$P'_{g,F'}$	0.4839

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0015
$\Delta P_{g,F}$	0.0004
$\Delta P_{C,t}$	0.0024
$\Delta P_{C,s}$	-0.0015

Thermal Properties	
T _g (°C)	518
T _s (°C)	575
T ₁₀ ^{14.5} (°C)	460
T ₁₀ ¹³ (°C)	495
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	88
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	110
λ (W/(m·K))	1.16

Mechanical Properties	
HK (10 ⁷ Pa)	454
F _A	118
E (GPa)	73.1
G (GPa)	29.7
μ	0.230
σ_b (MPa)	89.7
B (10 ⁻¹² /Pa)	2.55

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	81
-40/-30	84
-30/-20	86
-20/-10	87
-10/0	88
0/10	89
10/20	90
20/30	90
30/40	91
40/50	91
50/60	92
60/70	93
70/80	94
80/90	95
90/100	96
100/110	97
110/120	98
120/130	100
130/140	101
140/150	103
150/160	105

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.862	0.745
2200	0.902	0.814
2000	0.960	0.920
1800	0.984	0.968
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	0.994	0.988
370	0.987	0.974
360	0.974	0.944
350	0.945	0.889
340	0.875	0.758
330	0.711	0.499
320	0.392	0.149
310	0.085	0.012
300		
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	345/315
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	342/315

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	1.3	1.4	1.5	1.5	1.5	1.8	2.0	2.0	2.4
-40 ~ -20	1.1	1.2	1.4	1.5	1.5	1.6	1.8	2.0	2.1	2.4
-20 ~ 0	1.1	1.3	1.4	1.5	1.5	1.6	1.8	2.1	2.1	2.5
0 ~ 20	1.1	1.3	1.5	1.5	1.5	1.6	1.8	2.1	2.1	2.5
20 ~ 40	1.1	1.3	1.5	1.5	1.5	1.6	1.8	2.1	2.2	2.5
40 ~ 60	1.1	1.3	1.6	1.6	1.6	1.7	1.9	2.1	2.2	2.6
60 ~ 80	1.2	1.4	1.6	1.6	1.6	1.7	1.9	2.1	2.2	2.6
80 ~ 100	1.2	1.4	1.6	1.6	1.7	1.8	2.0	2.2	2.3	2.7
100 ~ 120	1.3	1.5	1.6	1.6	1.7	1.8	2.0	2.3	2.3	2.7
120 ~ 140	1.3	1.5	1.6	1.6	1.7	1.8	2.0	2.3	2.4	2.8
140 ~ 160	1.3	1.5	1.6	1.7	1.7	1.9	2.1	2.3	2.4	2.8

Constants of dn/dt		
D ₀	D ₁	D ₂
-9.83E-07	1.34E-08	-2.97E-11
E ₀	E ₁	λ_{TK}
4.25E-07	1.90E-10	2.52E-01