

H-K9L	517642	$n_d = 1.51680$	$v_d = 64.20$	$n_F - n_C = 0.008050$
		$n_e = 1.51872$	$v_e = 64.00$	$n_{F'} - n_{C'} = 0.008105$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.48969
n_{1970}	1970.09	1.49515
n_{1530}	1529.58	1.50098
n_{1129}	1128.64	1.50585
n_{1064}	1064.00	1.50668
n_t	1013.98	1.50735
n_s	852.11	1.50983
$n_{A'}$	768.19	1.51145
n_r	706.52	1.51290
n_C	656.27	1.51432
$n_{C'}$	643.85	1.51472
n_{He-Ne}	632.80	1.51509
n_D	589.29	1.51673
n_d	587.56	1.51680
n_e	546.07	1.51872
n_F	486.13	1.52237
$n_{F'}$	479.99	1.52282
n_g	435.84	1.52670
n_h	404.66	1.53027
n_i	365.01	1.53629

Constants of Dispersion Formula	
A_0	2.27223852E+00
A_1	-1.01682613E-02
A_2	1.03945607E-02
A_3	2.29862391E-04
A_4	-4.30423477E-06
A_5	5.00107200E-08

Density		Solarization	
ρ (g/cm ³)	2.49	$\Delta\lambda$ (%)	-20.0

Relative Partial Dispersion	
$P_{d,C}$	0.3081
$P_{e,d}$	0.2385
$P_{g,F}$	0.5379
$P'_{d,c'}$	0.2566
$P'_{e,d}$	0.2369
$P'_{g,F'}$	0.4787

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0013
$\Delta P_{g,F}$	0.0009
$\Delta P_{C,t}$	0.0146
$\Delta P_{C,s}$	0.0033

Thermal Properties	
T _g (°C)	582
T _s (°C)	630
T ₁₀ ^{14.5} (°C)	519
T ₁₀ ¹³ (°C)	548
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	73
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	92
λ (W/(m·K))	1.22

Mechanical Properties	
HK (10 ⁷ Pa)	581
F _A	100
E (GPa)	76.9
G (GPa)	32.3
μ	0.189
σ_b (MPa)	92.2
B (10 ⁻¹² /Pa)	2.53

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

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	67
-40/-30	69
-30/-20	70
-20/-10	71
-10/0	72
0/10	73
10/20	73
20/30	74
30/40	75
40/50	75
50/60	76
60/70	77
70/80	78
80/90	79
90/100	79
100/110	80
110/120	81
120/130	82
130/140	84
140/150	85
150/160	87

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.907	0.823
2200	0.933	0.870
2000	0.980	0.960
1800	0.992	0.985
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	0.998	0.997
380	0.997	0.995
370	0.997	0.994
360	0.996	0.993
350	0.990	0.980
340	0.980	0.960
330	0.964	0.929
320	0.927	0.859
310	0.851	0.724
300	0.722	0.521
290	0.543	0.295
280	0.274	0.075

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	325/280
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	317/280

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	1.6	1.7	1.9	1.9	1.9	2.0	2.3	2.6	2.7	2.9
-40 ~ -20	1.8	2.0	2.2	2.3	2.3	2.4	2.5	2.9	3.0	3.2
-20 ~ 0	2.0	2.2	2.3	2.3	2.5	2.5	2.6	3.0	3.0	3.3
0 ~ 20	2.2	2.3	2.4	2.4	2.5	2.6	2.7	3.0	3.0	3.3
20 ~ 40	2.3	2.4	2.4	2.5	2.6	2.6	2.8	3.1	3.1	3.4
40 ~ 60	2.3	2.4	2.5	2.6	2.7	2.8	3.0	3.3	3.3	3.5
60 ~ 80	2.4	2.5	2.6	2.7	2.7	2.8	3.0	3.3	3.3	3.6
80 ~ 100	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.3	3.3	3.5
100 ~ 120	2.5	2.6	2.8	2.9	3.0	3.0	3.0	3.3	3.3	3.5
120 ~ 140	2.5	2.6	2.9	3.0	3.0	3.0	3.0	3.3	3.4	3.6
140 ~ 160	2.5	2.7	3.0	3.1	3.1	3.1	3.1	3.4	3.4	3.6

Constants of dn/dt		
D ₀	D ₁	D ₂
1.32E-06	2.02E-08	-4.68E-11
E ₀	E ₁	λ_{TK}
4.63E-07	-4.16E-10	2.04E-01