

<b>H-K6</b>	<b>511605</b>	$n_d = 1.51112$	$v_d = 60.46$	$n_F - n_C = 0.008454$
		$n_e = 1.51314$	$v_e = 60.21$	$n_{F'} - n_{C'} = 0.008523$

Refractive Indices		
	$\lambda$ (nm)	$n_\lambda$
$n_{2325}$	2325.42	1.48663
$n_{1970}$	1970.09	1.49101
$n_{1530}$	1529.58	1.49582
$n_{1129}$	1128.64	1.50010
$n_{1064}$	1064.00	1.50087
$n_t$	1013.98	1.50151
$n_s$	852.11	1.50394
$n_{A'}$	768.19	1.50558
$n_r$	706.52	1.50707
$n_C$	656.27	1.50855
$n_{C'}$	643.85	1.50896
$n_{He-Ne}$	632.80	1.50934
$n_D$	589.29	1.51105
$n_d$	587.56	1.51112
$n_e$	546.07	1.51314
$n_F$	486.13	1.51700
$n_{F'}$	479.99	1.51748
$n_g$	435.84	1.52159
$n_h$	404.66	1.52540
$n_i$	365.01	1.53188

Constants of Dispersion Formula	
$A_0$	2.25095310E+00
$A_1$	-7.97694290E-03
$A_2$	1.21729170E-02
$A_3$	-9.99979160E-05
$A_4$	4.17761640E-05
$A_5$	-2.09126230E-06

Density	
$\rho$ (g/cm <sup>3</sup> )	2.53

Solarization	
$\Delta\lambda$ (%)	-3.5

Relative Partial Dispersion	
$P_{d,C}$	0.3041
$P_{e,d}$	0.2391
$P_{g,F}$	0.5432
$P'_{d,c'}$	0.2535
$P'_{e,d}$	0.2371
$P'_{g,F'}$	0.4824

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0000
$\Delta P_{g,F}$	0.0000
$\Delta P_{C,t}$	0.0000
$\Delta P_{C,s}$	0.0001

Thermal Properties	
T <sub>g</sub> (°C)	530
T <sub>s</sub> (°C)	619
T <sub>10</sub> <sup>14.5</sup> (°C)	473
T <sub>10</sub> <sup>13</sup> (°C)	522
$\alpha_{50/80^\circ C}$ (10 <sup>-7</sup> /K)	84
$\alpha_{100/300^\circ C}$ (10 <sup>-7</sup> /K)	100
$\lambda$ (W/(m·K))	

Mechanical Properties	
HK (10 <sup>7</sup> Pa)	469
F <sub>A</sub>	107
E (GPa)	67.2
G (GPa)	27.6
$\mu$	0.219
$\sigma_b$ (MPa)	
B (10 <sup>-12</sup> /Pa)	3.05

Chemical Properties (grade)	
RC (S)	3
RA (S)	1
D <sub>W</sub>	2
D <sub>A</sub>	1
R <sub>OH</sub> (S)	1
RP (S)	1

Expansion Coefficient $\alpha$ (×10 <sup>-7</sup> /K)	
°C	$\alpha$
-50/-40	76
-40/-30	79
-30/-20	81
-20/-10	82
-10/0	83
0/10	84
10/20	84
20/30	85
30/40	85
40/50	86
50/60	87
60/70	87
70/80	88
80/90	88
90/100	89
100/110	89
110/120	90
120/130	91
130/140	92
140/150	94
150/160	94

Internal Transmittance		
$\lambda$ (nm)	$\tau_{5mm}$	$\tau_{10mm}$
2400	0.861	0.741
2200	0.898	0.807
2000	0.951	0.904
1800	0.978	0.957
1600	0.995	0.990
1400	0.996	0.992
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	0.998	0.997
480	0.998	0.997
460	0.998	0.997
440	0.998	0.997
420	0.998	0.997
400	0.998	0.997
390	0.998	0.997
380	0.998	0.996
370	0.998	0.996
360	0.997	0.994
350	0.994	0.989
340	0.990	0.981
330	0.982	0.964
320	0.951	0.905
310	0.875	0.766
300	0.696	0.485
290	0.404	0.163
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	330/290
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	312/283

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 <sup>-6</sup> / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	0.2	0.4	0.6	0.6	0.6	0.8	1.0	1.3	1.3	1.6
-40 ~ -20	0.2	0.4	0.6	0.6	0.6	0.8	1.1	1.4	1.4	1.7
-20 ~ 0	0.1	0.3	0.6	0.6	0.7	0.9	1.1	1.4	1.4	1.6
0 ~ 20	0.2	0.4	0.7	0.7	0.8	0.9	1.0	1.3	1.4	1.6
20 ~ 40	0.2	0.4	0.6	0.7	0.7	0.8	1.1	1.4	1.4	1.7
40 ~ 60	0.3	0.5	0.7	0.7	0.7	0.9	1.2	1.4	1.5	1.8
60 ~ 80	0.3	0.5	0.7	0.7	0.7	0.9	1.2	1.5	1.5	1.8
80 ~ 100	0.4	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.9
100 ~ 120	0.4	0.7	0.9	0.9	1.0	1.0	1.4	1.6	1.7	2.0
120 ~ 140	0.5	0.7	0.9	1.0	1.0	1.1	1.4	1.7	1.7	2.1
140 ~ 160	0.6	0.8	1.0	1.1	1.1	1.2	1.5	1.7	1.7	2.2

Constants of dn/dt		
D <sub>0</sub>	D <sub>1</sub>	D <sub>2</sub>
-3.51E-06	1.40E-08	-2.33E-11
E <sub>0</sub>	E <sub>1</sub>	$\lambda_{TK}$
7.26E-07	1.47E-10	1.23E-01