

H-K6 511605	$n_d = 1.51112$	$\nu_d = 60.46$	$n_F - n_C = 0.008454$
	$n_e = 1.51314$	$\nu_e = 60.21$	$n_{F'} - n_{C'} = 0.008523$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
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_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
$n_{\text{He-Ne}}$	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

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

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6} / ^\circ\text{C}$)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	0.1	0.5	0.5	0.6	0.8	1.0	1.3
-20 ~ 0	0.1	0.6	0.6	0.7	0.8	1.2	1.3
0 ~ 20	0.3	0.8	0.8	0.9	1.0	1.4	1.7
20 ~ 40	0.5	0.8	0.8	0.9	1.0	1.4	1.7
40 ~ 60	0.6	0.8	0.9	1.0	1.1	1.4	1.7
60 ~ 80	0.6	0.8	0.9	1.0	1.2	1.5	1.7

Chemical Properties (grade)	
RC(S)	3
RA(S)	1
D_W	2
D_A	1
$R_{OH}(S)$	1
RP(S)	1

Thermal Properties	
$T_g(^{\circ}\text{C})$	530
$T_s(^{\circ}\text{C})$	619
$T_{10}^{14.5}(^{\circ}\text{C})$	473
$T_{10}^{13}(^{\circ}\text{C})$	522
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	84
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	100

Mechanical Properties	
HK(10^7Pa)	469
F_A	107
$E(10^7\text{Pa})$	6724
$G(10^7\text{Pa})$	2758
μ	0.219
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	3.050

Density	
$\rho(\text{g}/\text{cm}^3)$	2.53

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

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
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
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	
$\lambda\tau_{80}/\lambda\tau_5$	