

<b>H-ZK6</b> <b>613586</b>	$n_d = 1.61272$	$v_d = 58.58$	$n_F - n_C = 0.010460$
	$n_e = 1.61521$	$v_e = 58.30$	$n_{F'} - n_{C'} = 0.010552$

Refractive Indices		
	$\lambda(\text{nm})$	$n_\lambda$
$n_{2325}$	2325.42	
$n_{1970}$	1970.09	
$n_{1530}$	1529.58	
$n_{1129}$	1128.64	
$n_t$	1013.98	
$n_s$	852.11	
$n_{A'}$	768.19	
$n_r$	706.52	1.60774
$n_C$	656.27	1.60954
$n_{C'}$	643.85	1.61005
$n_{\text{He-Ne}}$	632.80	1.61052
$n_D$	589.29	1.61262
$n_d$	587.56	1.61272
$n_e$	546.07	1.61521
$n_F$	486.13	1.62000
$n_{F'}$	479.99	1.62060
$n_g$	435.84	1.62570
$n_h$	404.66	1.63043
$n_i$	365.01	1.63850

Constants of Dispersion Formula	
$A_0$	2.55846210E+00
$A_1$	-9.74572831E-03
$A_2$	1.51104951E-02
$A_3$	2.32733331E-04
$A_4$	1.11372491E-06
$A_5$	1.64247671E-07

Relative Partial Dispersions			
$P_{d,C}$	0.3040	$P'_{d,C'}$	0.2531
$P_{e,d}$	0.2380	$P'_{e,d}$	0.2360
$P_{g,F}$	0.5449	$P'_{g,F'}$	0.4834

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative (10 <sup>-6</sup> / °C)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	1.5	1.8	1.9	2.1	2.3	2.7	3.1
-20 ~ 0	1.9	2.0	1.9	2.0	2.4	2.9	3.0
0 ~ 20	1.9	2.0	2.0	2.2	2.8	2.8	3.2
20 ~ 40	2.0	2.4	2.3	2.4	2.6	3.1	3.3
40 ~ 60	1.9	2.3	2.6	2.8	2.9	3.4	3.8
60 ~ 80	2.8	3.0	3.1	3.3	3.6	3.9	4.6

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

Thermal Properties	
T <sub>g</sub> (°C)	653
T <sub>s</sub> (°C)	712
T <sub>10</sub> <sup>14.5</sup> (°C)	597
T <sub>10</sub> <sup>13</sup> (°C)	644
$\alpha_{-50/80^\circ\text{C}}$ (10 <sup>-7</sup> /K)	63
$\alpha_{100/300^\circ\text{C}}$ (10 <sup>-7</sup> /K)	81

Mechanical Properties	
HK(10 <sup>7</sup> Pa)	520
F <sub>A</sub>	140
E(10 <sup>7</sup> Pa)	8270
G(10 <sup>7</sup> Pa)	3261
$\mu$	0.268
B(nm/cm/10 <sup>5</sup> Pa)	1.920

Density	
$\rho$ (g/cm <sup>3</sup> )	3.59

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	-0.0014
$\Delta P_{C,t}$	
$\Delta P_{C,s}$	

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.922	0.844
2200	0.967	0.927
2000	0.993	0.986
1800	0.999	0.998
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
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	0.995
400	0.997	0.990
390	0.995	0.982
380	0.989	0.971
370	0.980	0.952
360	0.958	0.908
350	0.911	0.830
340	0.842	0.709
330	0.730	0.536
320	0.570	0.326
310	0.377	0.145
300	0.197	0.041
290		
280		

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	360/300

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	