

H-ZK3 589613	$n_d = 1.58913$	$u_d = 61.25$	$n_F - n_C = 0.009618$
	$n_e = 1.59142$	$u_e = 61.01$	$n_{F'} - n_{C'} = 0.009694$

Refractive Indices			Chemical Properties (grade)		Internal Transmittance		
	$\lambda(\text{nm})$				$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
n_r	706.52	1.58450	RC(S)	1	2400	0.903	0.815
n_C	656.27	1.58619	RA(S)	3	2200	0.948	0.899
$n_{C'}$	643.85	1.58666	D_W	2	2000	0.993	0.986
$n_{\text{He-Ne}}$	632.80	1.58710	D_A	3	1800	0.999	0.998
n_D	589.29	1.58904	$R_{\text{OH}}(\text{S})$	1	1600	0.999	0.998
n_d	587.56	1.58913	RP(S)	1	1400	0.999	0.998
n_e	546.07	1.59142	Thermal Properties		1200	0.999	0.998
n_F	486.13	1.59581	$T_g(^{\circ}\text{C})$	607	1060	0.999	0.998
$n_{F'}$	479.99	1.59635	$T_s(^{\circ}\text{C})$	665	1000	0.999	0.998
n_g	435.84	1.60100	$T_{10}^{14.5}(^{\circ}\text{C})$	562	950	0.999	0.998
n_h	404.66	1.60531	$T_{10}^{13}(^{\circ}\text{C})$	601	900	0.999	0.998
n_i	365.01	1.61262	$\alpha_{20/120^{\circ}\text{C}}(10^{-7}/\text{K})$	57	850	0.998	0.996
			$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	75	800	0.998	0.996

Constants of Dispersion Formula		Mechanical Properties	
A_0	2.48614990E+00	HK(10^7Pa)	598
A_1	-9.56848451E-03	F_A	116
A_2	1.46850591E-02	$E(10^7\text{Pa})$	8674
A_3	-1.12164871E-04	$G(10^7\text{Pa})$	3342
A_4	4.19787771E-05	μ	0.253
A_5	-1.88561901E-06	$B(10^{-12}/\text{Pa})$	

Relative Partial Dispersion				Anomalous dispersions	
$P_{d,C}$	0.3056	$P'_{d,C'}$	0.2549	$\Delta P_{F,e}$	0.0000
$P_{e,d}$	0.2380	$P'_{e,d}$	0.2363	$\Delta P_{g,F}$	-0.0024
$P_{g,F}$	0.5395	$P'_{g,F'}$	0.4799		

Range of Temperature ($^{\circ}\text{C}$)	Temperature Coefficients of Refractive Index						
	dn/dt relative ($10^{-6} / ^{\circ}\text{C}$)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	3.4	3.7	3.7	3.8	3.9	4.2	4.5
-20 ~ 0	3.3	3.7	3.7	3.8	4.0	4.2	4.5
0 ~ 20	3.4	3.7	3.7	3.9	4.0	4.3	4.6
20 ~ 40	3.4	3.7	3.8	3.9	4.0	4.3	4.6
40 ~ 60	3.5	3.8	3.8	3.9	4.1	4.4	4.7
60 ~ 80	3.6	4.0	4.0	4.1	4.3	4.6	4.9

Density		Coloration Code			Remarks		
$\rho(\text{g}/\text{cm}^3)$	3.26	λ_{80}/λ_5	350/300	λ_{70}/λ_5			