

H-ZK4	609589	$n_d = 1.60881$	$u_d = 58.86$	$n_F - n_C = 0.010344$
		$n_e = 1.61128$	$u_e = 58.57$	$n_{F'} - n_{C'} = 0.010437$

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	1.60388	RC(S)	1	2400	0.915	0.837
n_C	656.27	1.60567	RA(S)	3	2200	0.960	0.922
$n_{C'}$	643.85	1.60617	D_W	1	2000	0.987	0.974
$n_{\text{He-Ne}}$	632.80	1.60663	D_A	3	1800	0.999	0.998
n_D	589.29	1.60872	$R_{\text{OH}}(\text{S})$		1600	0.999	0.998
n_d	587.56	1.60881	RP(S)		1400	0.999	0.998
n_e	546.07	1.61128	Thermal Properties		1200	0.999	0.998
n_F	486.13	1.61601	$T_g(^{\circ}\text{C})$	656	1060	0.999	0.998
$n_{F'}$	479.99	1.61660	$T_s(^{\circ}\text{C})$	699	1000	0.999	0.998
n_g	435.84	1.62165	$T_{10}^{14.5}(^{\circ}\text{C})$	608	950	0.999	0.998
n_h	404.66	1.62632	$T_{10}^{13}(^{\circ}\text{C})$	640	900	0.999	0.998
n_i	365.01	1.63432	$\alpha_{20/120^{\circ}\text{C}}(10^{-7}/\text{K})$	61	850	0.998	0.996
			$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	78	800	0.998	0.996

Constants of Dispersion Formula		Mechanical Properties	
A_0	2.54718350E+00	HK(10^7Pa)	540
A_1	-1.01714321E-02	F_A	133
A_2	1.44598171E-02	$E(10^7\text{Pa})$	8219
A_3	3.73194981E-04	$G(10^7\text{Pa})$	3251
A_4	-2.15745901E-05	μ	0.264
A_5	1.51121151E-06	$B(10^{-12}/\text{Pa})$	

Relative Partial Dispersion				Anomalous dispersions	
$P_{d,C}$	0.3037	$P'_{d,C'}$	0.2531	$\Delta P_{F,e}$	-0.0003
$P_{e,d}$	0.2389	$P'_{e,d}$	0.2368	$\Delta P_{g,F}$	-0.0004
$P_{g,F}$	0.5455	$P'_{g,F'}$	0.4842		

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								370	0.967	0.935
-20 ~ 0								360	0.943	0.889
0 ~ 20								350	0.894	0.799
20 ~ 40								340	0.815	0.664
40 ~ 60								330	0.692	0.479
60 ~ 80								320	0.519	0.269

Density		Coloration Code			Remarks		
$\rho(\text{g}/\text{cm}^3)$	3.51	λ_{80}/λ_5	360/300	λ_{70}/λ_5			