

H-K9	516641	$n_d = 1.51637$	$u_d = 64.06$	$n_F - n_C = 0.008061$
		$n_e = 1.51829$	$u_e = 63.88$	$n_{F'} - n_{C'} = 0.008113$

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	1.51247	RC(S)	1	2400	0.860	0.740
n_C	656.27	1.51389	RA(S)	1	2200	0.930	0.860
$n_{C'}$	643.85	1.51429	D_W	2	2000	0.960	0.922
$n_{\text{He-Ne}}$	632.80	1.51466	D_A	1	1800	0.985	0.970
n_D	589.29	1.51630	$R_{\text{OH}}(\text{S})$		1600	0.990	0.980
n_d	587.56	1.51637	RP(S)		1400	0.995	0.990
n_e	546.07	1.51829	Thermal Properties		1200	0.998	0.996
n_F	486.13	1.52196	$T_g(^{\circ}\text{C})$	562	1060	0.998	0.996
$n_{F'}$	479.99	1.52241	$T_s(^{\circ}\text{C})$	630	1000	0.999	0.997
n_g	435.84	1.52627	$T_{10}^{14.5}(^{\circ}\text{C})$	513	950	0.999	0.997
n_h	404.66	1.52981	$T_{10}^{13}(^{\circ}\text{C})$	557	900	0.999	0.998
n_i	365.01	1.53582	$\alpha_{20/120^{\circ}\text{C}}(10^{-7}/\text{K})$	70	850	0.999	0.998
			$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	89	800	0.999	0.999

Constants of Dispersion Formula		Mechanical Properties	
A_0	2.26655871E+00	HK(10^7Pa)	586
A_1	-6.87240260E-03	F_A	100
A_2	1.25196030E-02	$E(10^7\text{Pa})$	7853
A_3	-2.34534010E-04	$G(10^7\text{Pa})$	3248
A_4	4.16261440E-05	μ	0.209
A_5	-1.63884640E-06	$B(10^{-12}/\text{Pa})$	2.7

Relative Partial Dispersion				Anomalous dispersions	
$P_{d,C}$	0.3072	$P'_{d,C'}$	0.2562	$\Delta P_{F,e}$	0.0006
$P_{e,d}$	0.2386	$P'_{e,d}$	0.2371	$\Delta P_{g,F}$	-0.0024
$P_{g,F}$	0.5348	$P'_{g,F'}$	0.4758		

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							
-20 ~ 0							
0 ~ 20							
20 ~ 40							
40 ~ 60							
60 ~ 80							

Density		Coloration Code			Remarks		
$\rho(\text{g}/\text{cm}^3)$	2.49	λ_{80}/λ_5	330/290	λ_{70}/λ_5			