

H-K9L 517642	$n_d = 1.51680$	$v_d = 64.20$	$n_F - n_C = 0.008050$
	$n_e = 1.51872$	$v_e = 64.00$	$n_{F'} - n_{C'} = 0.008105$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.48969
n_{1970}	1970.09	1.49515
n_{1530}	1529.58	1.50098
n_{1129}	1128.64	1.50585
n_t	1013.98	1.50735
n_s	852.11	1.50983
$n_{A'}$	768.19	1.51145
n_r	706.52	1.51290
n_C	656.27	1.51432
$n_{C'}$	643.85	1.51472
$n_{\text{He-Ne}}$	632.80	1.51509
n_D	589.29	1.51673
n_d	587.56	1.51680
n_e	546.07	1.51872
n_F	486.13	1.52237
$n_{F'}$	479.99	1.52282
n_g	435.84	1.52670
n_h	404.66	1.53027
n_i	365.01	1.53629

Constants of Dispersion Formula	
A_0	2.27223852E+00
A_1	-1.01682613E-02
A_2	1.03945607E-02
A_3	2.29862391E-04
A_4	-4.30423477E-06
A_5	5.00107200E-08

Relative Partial Dispersions			
$P_{d,C}$	0.3081	$P'_{d,C'}$	0.2568
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2370
$P_{g,F}$	0.5379	$P'_{g,F'}$	0.4790

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	2.1	2.4	2.4	2.5	2.6	2.9	3.1
-20 ~ 0	2.1	2.4	2.4	2.5	2.6	2.8	3.1
0 ~ 20	2.1	2.4	2.4	2.5	2.6	2.9	3.2
20 ~ 40	2.1	2.4	2.5	2.6	2.7	3.0	3.2
40 ~ 60	2.2	2.5	2.6	2.7	2.8	3.1	3.4
60 ~ 80	2.3	2.7	2.7	2.8	2.9	3.2	3.5

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

Thermal Properties	
$T_g(^{\circ}\text{C})$	562
$T_s(^{\circ}\text{C})$	636
$T_{10}^{14.5}(^{\circ}\text{C})$	519
$T_{10}^{13}(^{\circ}\text{C})$	548
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	73
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	92

Mechanical Properties	
HK(10^7Pa)	581
F_A	100
$E(10^7\text{Pa})$	7438
$G(10^7\text{Pa})$	3076
μ	0.209
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	2.800

Density	
$\rho(\text{g}/\text{cm}^3)$	2.49

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0013
$\Delta P_{g,F}$	0.0009
$\Delta P_{C,t}$	0.0146
$\Delta P_{C,s}$	0.0033

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.907	0.823
2200	0.933	0.870
2000	0.980	0.960
1800	0.992	0.985
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	0.998
400	0.999	0.998
390	0.998	0.997
380	0.997	0.995
370	0.996	0.993
360	0.995	0.991
350	0.990	0.981
340	0.981	0.962
330	0.960	0.922
320	0.921	0.848
310	0.842	0.709
300	0.700	0.490
290	0.490	0.240
280	0.261	0.068

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	325/280

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	317/280