

H-QK3L 487704	$n_d = 1.48749$	$v_d = 70.44$	$n_F - n_C = 0.006921$
	$n_e = 1.48914$	$v_e = 70.24$	$n_{F'} - n_{C'} = 0.006964$

Refractive Indices		
	$\lambda(\text{nm})$	n_λ
n_{2325}	2325.42	1.46249
n_{1970}	1970.09	1.46773
n_{1530}	1529.58	1.47329
n_{1129}	1128.64	1.47783
n_t	1013.98	1.47919
n_s	852.11	1.48141
$n_{A'}$	768.19	1.48284
n_r	706.52	1.48411
n_C	656.27	1.48535
$n_{C'}$	643.85	1.48569
$n_{\text{He-Ne}}$	632.80	1.48601
n_D	589.29	1.48743
n_d	587.56	1.48749
n_e	546.07	1.48914
n_F	486.13	1.49227
$n_{F'}$	479.99	1.49266
n_g	435.84	1.49594
n_h	404.66	1.49896
n_i	365.01	1.50405

Constants of Dispersion Formula	
A_0	2.18954799E+00
A_1	-9.65634602E-03
A_2	8.30751905E-03
A_3	3.65672497E-04
A_4	-3.54722930E-05
A_5	1.87564584E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3092	$P'_{d,C'}$	0.2582
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2367
$P_{g,F}$	0.5303	$P'_{g,F'}$	0.4706

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	-1.9	-1.7	-1.7	-1.6	-1.5	-1.3	-1.2
-20 ~ 0	-1.9	-1.7	-1.7	-1.6	-1.5	-1.3	-1.2
0 ~ 20	-1.9	-1.6	-1.6	-1.6	-1.5	-1.3	-1.1
20 ~ 40	-1.8	-1.6	-1.6	-1.5	-1.4	-1.2	-1.0
40 ~ 60	-1.7	-1.4	-1.4	-1.4	-1.3	-1.1	-0.9
60 ~ 80	-1.5	-1.3	-1.3	-1.2	-1.1	-0.9	-0.7

Chemical Properties (grade)	
RC(S)	1
RA(S)	3
D_W	4
D_A	4
$R_{OH}(S)$	1
RP(S)	1

Thermal Properties	
$T_g(^{\circ}\text{C})$	481
$T_s(^{\circ}\text{C})$	563
$T_{10}^{14.5}(^{\circ}\text{C})$	424
$T_{10}^{13}(^{\circ}\text{C})$	463
$\alpha_{-50/80^{\circ}\text{C}}(10^{-7}/\text{K})$	88
$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	98

Mechanical Properties	
HK(10^7Pa)	457
F_A	109
$E(10^7\text{Pa})$	5896
$G(10^7\text{Pa})$	2407
μ	0.225
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	2.870

Density	
$\rho(\text{g}/\text{cm}^3)$	2.48

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0010
$\Delta P_{g,F}$	0.0037
$\Delta P_{C,t}$	0.0087
$\Delta P_{C,s}$	-0.0001

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
2400	0.823	0.677
2200	0.863	0.745
2000	0.949	0.901
1800	0.978	0.956
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	0.999	0.998
380	0.999	0.998
370	0.999	0.998
360	0.999	0.998
350	0.999	0.998
340	0.999	0.998
330	0.996	0.992
320	0.983	0.966
310	0.943	0.889
300	0.850	0.723
290	0.650	0.423
280	0.362	0.131

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	310/270

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	297/266