

H-QK3 487700	$n_d = 1.48746$	$\nu_d = 70.03$	$n_F - n_c = 0.006964$
	$n_e = 1.48912$	$\nu_e = 70.00$	$n_{F'} - n_{c'} = 0.007001$

Refractive Indices		
	$\lambda(\text{nm})$	
n_r	706.5	1.48407
n_c	656.3	1.48531
$n_{c'}$	643.8	1.48565
$n_{\text{He-Ne}}$	632.8	1.48597
n_D	589.3	1.48739
n_d	587.6	1.48746
n_e	546.1	1.48912
n_F	486.1	1.49227
$n_{F'}$	480.0	1.49266
n_g	435.8	1.49596
n_h	404.7	1.49900
n_i	365.0	1.50413

Chemical Properties (grade)	
RC(S)	3
RA(S)	2
D_W	3
D_A	4

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
2400		
2200		
2000		
1800		
1600		
1400		
1200		
1060		
1000		
950		
900		
850	0.999	0.998
800	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	0.996	0.992
330	0.987	0.974
320	0.979	0.958
310	0.965	0.931
300	0.918	0.843
290	0.800	0.640
280		

Thermal Properties	
$T_g(^{\circ}\text{C})$	490
$T_s(^{\circ}\text{C})$	588
$T_{10}^{14.5}(^{\circ}\text{C})$	449
$T_{10}^{13}(^{\circ}\text{C})$	475
$\alpha_{20/120^{\circ}\text{C}} (10^{-7}/\text{K})$	98
$\alpha_{100/300^{\circ}\text{C}} (10^{-7}/\text{K})$	110
$\lambda(\text{W}/\text{m}\cdot\text{K})$	

Constants of Dispersion Formula	
A_0	2.18509024E+00
A_1	-6.58928749E-03
A_2	1.06012773E-02
A_3	-2.10349494E-04
A_4	3.56310857E-05
A_5	-1.44624535E-06

Mechanical Properties	
$H_K(10^7\text{Pa})$	520
F_A	
$E(10^7\text{Pa})$	6240
$G(10^7\text{Pa})$	2541
μ	0.227
$B(10^{-12}/\text{Pa})$	

Relative Partial Dispersion			
$P_{d,c}$	0.3087	$P'_{d,c'}$	0.2585
$P_{e,d}$	0.2384	$P'_{e,d'}$	0.2371
$P_{g,F}$	0.5299	$P'_{g,F'}$	0.4714

Anomalous dispersions	
$\Delta P_{F,e}$	0.0008
$\Delta P_{g,F}$	0.0026

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	
$\rho(\text{g}/\text{cm}^3)$	2.46

Coloration Code		
λ_{80}/λ_5	30/27	λ_{70}/λ_5

Remarks