H-ZK14 603606

n_d = 1.60311	υ_d = 60.60	$n_F - n_C$ = 0.009952
n_e = 1.60548	υ_e = 60.35	$n_{F'} - n_{C'}$ = 0.010033

Refractive Indices		
	λ(nm)	
n_r	706.5	1.59834
n_C	656.3	1.60007
$n_{C'}$	643.8	1.60056
n_{He-Ne}	632.8	1.60101
n_D	589.3	1.60302
n_d	587.6	1.60311
n_e	546.1	1.60548
n_F	486.1	1.61003
$n_{F'}$	480.0	1.61059
n_g	435.8	1.61541
n_h	404.7	1.61988
n_i	365.0	1.62748

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

Thermal Properties	
Tg(℃)	637
Ts(℃)	681
$T_{10}^{14.5}$(℃)	583
T_{10}^{13}(℃)	619
$\alpha_{20/120℃}$ (10^{-7}/K)	53
$\alpha_{20/300℃}$ (10^{-7}/K)	63
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.826	0.682
2200	0.913	0.834
2000	0.965	0.931
1800	0.978	0.956
1600	0.988	0.976
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.998	0.996
800	0.998	0.996
700	0.998	0.996
650	0.998	0.996
600	0.998	0.996
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	0.998	0.996
390	0.997	0.994
380	0.992	0.984
370	0.984	0.968
360	0.969	0.939
350	0.939	0.882
340	0.885	0.793
330	0.800	0.640
320	0.668	0.446
310	0.493	0.243
300	0.297	0.088
290		
280		

Constants of Dispersion Formula	
A_0	2.5304905
A_1	-1.03279921×10-2
A_2	1.41760511×10-2
A_3	2.50930711×10-4
A_4	-7.64871561×10-6
A_5	7.32829741×10-7

Mechanical Properties	
H_K(10^7Pa)	567
F_A	131
E(10^7Pa)	8917
G(10^7Pa)	3525
μ	0.265
B(10^{-12}/Pa)	1.99

Relative Partial Dispersion			
$P_{d,c}$	0.3052	$P'_{d,c'}$	0.2542
$P_{e,d}$	0.2380	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5402	$P'_{g,F'}$	0.4806

Anomalous dispersions	
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	-0.0028

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40～-20	3.0	3.3	3.3	3.4	3.6	3.8	4.1
-20～0	3.0	3.4	3.4	3.5	3.6	3.9	4.2
0～20	3.0	3.4	3.4	3.5	3.7	4.0	4.3
20～40	3.0	3.4	3.4	3.5	3.7	4.0	4.3
40～60	3.1	3.5	3.5	3.6	3.8	4.1	4.4
60～80	3.3	3.7	3.7	3.8	4.0	4.3	4.7

Density	
ρ(g/cm^3)	3.38

Coloration Code			
λ_{80}/λ_5	35/30	λ_{70}/λ_5	