H-K9LA 517642

n_d = 1.51680	υ_d = 64.20	$n_F - n_C$ 0.008050
n_e = 1.51872	υ_e = 64.00	$n_{F'} - n_{C'}$ 0.008105

Refractive Indices		
	λ(nm)	
n_r	706.52	1.51291
n_C	656.27	1.51432
$n_{C'}$	643.85	1.51472
n_{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	1.52667
n_h	404.66	1.53022
n_i	365.01	1.53622

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

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.886	0.788
2200	0.913	0.839
2000	0.974	0.946
1800	0.991	0.981
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
950	0.999	0.998
900	0.999	0.998
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	0.997	0.994
370	0.994	0.988
360	0.991	0.982
350	0.978	0.958
340	0.958	0.928
330	0.925	0.869
320	0.862	0.752
310	0.740	0.562
300	0.543	0.308
290	0.301	0.098
280	0.111	0.018

Thermal Properties	
Tg(℃)	563
Ts(℃)	634
$T_{10}^{14.5}$(℃)	519
T_{10}^{13}(℃)	548
$\alpha_{20/120℃}(10^{-7}/K)$	77
$\alpha_{100/300℃}(10^{-7}/K)$	91

Mechanical Properties	
HK(10^7Pa)	581
F_A	100
E(10^7Pa)	7438
G(10^7Pa)	3076
μ	0.209
B(10^{-12}/Pa)	

Constants of Dispersion Formula	
A_0	2.27038718E+00
A_1	-9.35286298E-03
A_2	1.16058732E-02
A_3	-9.20606381E-05
A_4	3.23271119E-05
A_5	-1.50049137E-06

Relative Partial Dispersion			
$P_{d,C}$	0.3081	$P'_{d,c'}$	0.2568
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2370
$P_{g,F}$	0.5342	$P'_{g,F'}$	0.4753

Anomalous dispersions	
$\triangle P_{F,e}$	-0.0013
$\triangle P_{g,F}$	-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							
-20 ~ 0							
0 ~ 20							
20 ~ 40							
40 ~ 60							
60 ~ 80							

Density	
ρ(g/cm^3)	2.49

Coloration Code			
λ_{80}/λ_5	330/290	λ_{70}/λ_5	

Remarks		
Sb	wt%	0.05