H-K51 523586

n_d = 1.52307	υ_d = 58.63	$n_F - n_C$ = 0.008921
n_e = 1.52520	υ_e = 58.39	$n_{F'} - n_{C'}$ = 0.008995

Refractive Indices		
	λ(nm)	n_λ
n_{2325}	2325.42	1.49748
n_{1970}	1970.09	1.50215
n_{1530}	1529.58	1.50724
n_{1129}	1128.64	1.51167
n_t	1013.98	1.51310
n_s	852.11	1.51559
$n_{A'}$	768.19	1.51728
n_r	706.52	1.51883
n_C	656.27	1.52037
$n_{C'}$	643.85	1.52080
n_{He-Ne}	632.80	1.52120
n_D	589.29	1.52299
n_d	587.56	1.52307
n_e	546.07	1.52520
n_F	486.13	1.52929
$n_{F'}$	479.99	1.52980
n_g	435.84	1.53411
n_h	404.66	1.53811
n_i	365.01	1.54495

Constants of Dispersion Formula	
A_0	2.28724008E+00
A_1	-8.66259828E-03
A_2	1.09312658E-02
A_3	6.19326901E-04
A_4	-6.62977052E-05
A_5	3.74341463E-06

Relative Partial Dispersions			
$P_{d,C}$	0.3027	$P'_{d,c'}$	0.2522
$P_{e,d}$	0.2388	$P'_{e,d}$	0.2367
$P_{g,F}$	0.5404	$P'_{g,F'}$	0.4789

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

Thermal Properties	
Tg(℃)	545
Ts(℃)	616
$T_{10}^{14.5}$(℃)	497
T_{10}^{13}(℃)	530
$\alpha_{-50/80℃}$(10^{-7}/K)	80
$\alpha_{100/300℃}$(10^{-7}/K)	98

Mechanical Properties	
HK(10^7Pa)	517
F_A	102
E(10^7Pa)	7365
G(10^7Pa)	3015
μ	0.221
B(nm/cm/10^5Pa)	2.600

Density	
ρ (g/cm^3)	2.52

Deviation of Relative Partial Dispersions	
$\triangle P_{F,e}$	0.0007
$\triangle P_{g,F}$	-0.0059
$\triangle P_{C,t}$	-0.0092
$\triangle P_{C,s}$	-0.0052

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.900	0.810
2200	0.915	0.837
2000	0.963	0.927
1800	0.984	0.968
1600	0.998	0.996
1400	0.998	0.996
1200	0.998	0.996
1060	0.998	0.996
1000	0.998	0.996
900	0.998	0.996
850	0.998	0.996
800	0.998	0.996
750	0.998	0.997
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	0.996	0.992
370	0.996	0.992
360	0.989	0.978
350	0.970	0.941
340	0.926	0.857
330	0.826	0.682
320	0.648	0.420
310	0.375	0.141
300	0.107	0.011
290		
280		

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	1.0	1.1	1.1	1.1	1.9	1.9	2.2
-20 ~ 0	1.3	1.3	1.3	1.3	2.0	2.3	2.7
0 ~ 20	1.5	1.4	1.4	1.5	1.9	2.0	2.5
20 ~ 40	1.4	1.5	1.5	1.6	2.2	2.5	2.8
40 ~ 60	1.3	1.6	1.6	1.7	2.1	2.9	3.1
60 ~ 80	1.4	1.6	1.6	1.7	2.4	2.8	3.0

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	350/310

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