D-PK60 592670

$n_d = 1.59201$	$\upsilon_d = 67.00$	$n_F - n_C = 0.008833$
$n_e = 1.59412$	$\upsilon_e = 66.73$	$n_{F'} - n_{C'} = 0.008899$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.56449
n_{1970}	1970.09	1.56973
n_{1530}	1529.58	1.57540
n_{1129}	1128.64	1.58027
n_{1064}	1064.00	1.58112
n_t	1013.98	1.58182
n_s	852.11	1.58444
$n_{A'}$	768.19	1.58618
n_r	706.52	1.58775
n_C	656.27	1.58931
$n_{C'}$	643.85	1.58974
n_{He-Ne}	632.80	1.59014
n_D	589.29	1.59193
n_d	587.56	1.59201
n_e	546.07	1.59412
n_F	486.13	1.59814
$n_{F'}$	479.99	1.59864
n_g	435.84	1.60291
n_h	404.66	1.60684
n_i	365.01	1.61349

Relative Partial Dispersion	
$P_{d,C}$	0.3057
$P_{e,d}$	0.2389
$P_{g,F}$	0.5400
$P'_{d,c'}$	0.2551
$P'_{e,d}$	0.2371
$P'_{g,F'}$	0.4798

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0019
$\Delta P_{g,F}$	0.0077
$\Delta P_{C,t}$	-0.0168
$\Delta P_{C,s}$	-0.0099

Thermal Properties	
Tg (℃)	509
Ts (℃)	538
$T_{10}^{14.5}$ (℃)	481
T_{10}^{13} (℃)	502
$\alpha_{-50/80℃}$ (10^{-7}/K)	87
$\alpha_{100/300℃}$ (10^{-7}/K)	113
λ (W/(m·K))	0.78
β_d	120

Mechanical Properties	
HK (10^7Pa)	426
F_A	299
E (GPa)	80.4
G (GPa)	31.0
μ	0.297
σ_b (MPa)	57.0
B (10^{-12}/Pa)	1.30

Chemical Properties (grade)	
RC (S)	1
RA (S)	1
D_W	1
D_A	4
R_{OH} (S)	1
RP (S)	2

Expansion Coefficient α ($\times 10^{-7}$/K)	
℃	α
-50/-40	79
-40/-30	81
-30/-20	85
-20/-10	87
-10/0	89
0/10	90
10/20	91
20/30	93
30/40	93
40/50	95
50/60	96
60/70	96
70/80	98
80/90	100
90/100	102
100/110	102
110/120	103
120/130	104
130/140	106
140/150	106
150/160	108

Internal Transmittance		
λ (nm)	τ5mm	τ10mm
2400	0.915	0.837
2200	0.947	0.897
2000	0.977	0.955
1800	0.990	0.980
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
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	0.998	0.995
420	0.996	0.992
400	0.994	0.988
390	0.992	0.984
380	0.990	0.980
370	0.985	0.972
360	0.978	0.952
350	0.967	0.930
340	0.945	0.889
330	0.908	0.821
320	0.848	0.716
310	0.762	0.579
300	0.657	0.433
290	0.542	0.297
280	0.422	0.182

Constants of Dispersion Formula	
A_0	2.50030926E+00
A_1	-1.01689443E-02
A_2	1.24607241E-02
A_3	1.85952458E-04
A_4	2.05179854E-06
A_5	-1.49222817E-07

Density	
ρ (g/cm^3)	3.27

Solarization	
△λ (%)	-2.5

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative ($\times 10^{-6}$ / ℃)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	-1.8	-1.7	-1.5	-1.5	-1.5	-1.4	-1.3	-1.1	-1.1	-0.9
-40 ~ -20	-1.9	-1.8	-1.6	-1.6	-1.6	-1.5	-1.4	-1.2	-1.2	-1.0
-20 ~ 0	-2.0	-1.9	-1.8	-1.7	-1.7	-1.6	-1.4	-1.3	-1.3	-1.1
0 ~ 20	-2.1	-1.9	-1.8	-1.8	-1.8	-1.7	-1.6	-1.4	-1.4	-1.1
20 ~ 40	-2.1	-2.0	-1.9	-1.9	-1.9	-1.8	-1.7	-1.4	-1.4	-1.2
40 ~ 60	-2.1	-2.0	-1.9	-1.9	-1.9	-1.8	-1.6	-1.4	-1.4	-1.2
60 ~ 80	-2.1	-2.0	-1.9	-1.9	-1.9	-1.8	-1.6	-1.4	-1.4	-1.1
80 ~ 100	-2.2	-2.0	-2.0	-2.0	-2.0	-1.9	-1.7	-1.5	-1.5	-1.2
100 ~ 120	-2.1	-2.0	-1.9	-1.9	-1.9	-1.8	-1.8	-1.4	-1.4	-1.1
120 ~ 140	-2.1	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.4	-1.4	-1.1
140 ~ 160	-2.1	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.4	-1.4	-1.2

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	340/265
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	328/264

Constants of dn/dt		
D_0	D_1	D_2
-7.71E-06	8.45E-09	-1.72E-11
E_0	E_1	λ_{TK}
2.67E-07	1.07E-10	2.75E-01