

D-PK62	619639	$n_d = 1.61881$	$v_d = 63.85$	$n_F - n_C = 0.009691$
		$n_e = 1.62112$	$v_e = 63.55$	$n_{F'} - n_{C'} = 0.009773$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.59157
n_{1970}	1970.09	1.59638
n_{1530}	1529.58	1.60165
n_{1129}	1128.64	1.60637
n_{1064}	1064.00	1.60722
n_t	1013.98	1.60793
n_s	852.11	1.61065
$n_{A'}$	768.19	1.61249
n_r	706.52	1.61418
n_C	656.27	1.61586
$n_{C'}$	643.85	1.61633
n_{He-Ne}	632.80	1.61676
n_D	589.29	1.61872
n_d	587.56	1.61881
n_e	546.07	1.62112
n_F	486.13	1.62555
$n_{F'}$	479.99	1.62610
n_g	435.84	1.63084
n_h	404.66	1.63522
n_i	365.01	1.64265

Constants of Dispersion Formula	
A_0	2.58101085E+00
A_1	-9.35112569E-03
A_2	1.43302338E-02
A_3	8.87867497E-05
A_4	2.39962149E-05
A_5	-1.31422303E-06

Density	
ρ (g/cm ³)	3.51

Solarization	
$\Delta\lambda$ (%)	-1.6

Relative Partial Dispersion	
$P_{d,C}$	0.3044
$P_{e,d}$	0.2384
$P_{g,F}$	0.5459
$P'_{d,c'}$	0.2538
$P'_{e,d}$	0.2364
$P'_{g,F'}$	0.4850

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0022
$\Delta P_{g,F}$	0.0083
$\Delta P_{C,t}$	-0.0312
$\Delta P_{C,s}$	-0.0160

Thermal Properties	
T _g (°C)	516
T _s (°C)	554
T ₁₀ ^{14.5} (°C)	488
T ₁₀ ¹³ (°C)	510
$\alpha_{50/80^\circ C}$ (10 ⁻⁷ /K)	102
$\alpha_{100/300^\circ C}$ (10 ⁻⁷ /K)	122
λ (W/(m·K))	0.63
β_d	95

Mechanical Properties	
HK (10 ⁷ Pa)	456
F _A	218
E (GPa)	78.4
G (GPa)	29.6
μ	0.326
σ_b (MPa)	44.8
B (10 ⁻¹² /Pa)	1.12

Chemical Properties (grade)	
RC (S)	1
RA (S)	2
D _W	1
D _A	4
R _{OH} (S)	1
RP (S)	2

Expansion Coefficient α (×10 ⁻⁷ /K)	
°C	α
-50/-40	94
-40/-30	95
-30/-20	98
-20/-10	98
-10/0	100
0/10	102
10/20	104
20/30	105
30/40	106
40/50	107
50/60	108
60/70	110
70/80	111
80/90	112
90/100	112
100/110	113
110/120	114
120/130	116
130/140	117
140/150	119
150/160	121

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.960	0.921
2200	0.977	0.954
2000	0.990	0.980
1800	0.995	0.990
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	0.996
420	0.997	0.994
400	0.996	0.992
390	0.994	0.989
380	0.992	0.985
370	0.989	0.978
360	0.982	0.964
350	0.969	0.939
340	0.949	0.899
330	0.913	0.834
320	0.862	0.743
310	0.792	0.627
300	0.707	0.500
290	0.607	0.368
280	0.480	0.230

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	345/265
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	326/269

Range of Temperature (°C)	Temperature Coefficients of Refractive Index									
	dn/dt relative (×10 ⁻⁶ / °C)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	-5.2	-5.1	-4.9	-4.8	-4.8	-4.7	-4.3	-4.1	-4.0	-3.6
-40 ~ -20	-5.0	-4.8	-4.6	-4.6	-4.5	-4.4	-4.0	-3.8	-3.7	-3.3
-20 ~ 0	-4.8	-4.7	-4.4	-4.4	-4.4	-4.3	-3.8	-3.6	-3.5	-3.1
0 ~ 20	-4.7	-4.5	-4.4	-4.4	-4.3	-4.1	-3.8	-3.4	-3.4	-2.9
20 ~ 40	-4.6	-4.4	-4.3	-4.3	-4.2	-4.0	-3.6	-3.3	-3.3	-2.9
40 ~ 60	-4.5	-4.4	-4.2	-4.2	-4.1	-4.0	-3.5	-3.1	-3.1	-2.8
60 ~ 80	-4.3	-4.2	-4.1	-4.1	-4.0	-3.9	-3.4	-3.0	-3.0	-2.8
80 ~ 100	-4.1	-4.1	-4.0	-4.0	-3.9	-3.8	-3.3	-2.8	-2.8	-2.6
100 ~ 120	-4.0	-4.0	-3.9	-3.8	-3.7	-3.6	-3.0	-2.7	-2.6	-2.4
120 ~ 140	-3.9	-3.8	-3.7	-3.6	-3.5	-3.4	-2.9	-2.5	-2.4	-2.3
140 ~ 160	-3.8	-3.6	-3.5	-3.4	-3.4	-3.3	-2.7	-2.3	-2.2	-2.2

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.33E-05	1.77E-08	-2.79E-11
E ₀	E ₁	λ_{TK}
6.44E-07	1.51E-10	2.16E-01