

H-PK65	620639	$n_d = 1.61997$	$v_d = 63.88$	$n_F - n_C = 0.009705$
		$n_e = 1.62228$	$v_e = 63.58$	$n_F - n_C = 0.009787$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.59263
n_{1970}	1970.09	1.59750
n_{1530}	1529.58	1.60283
n_{1129}	1128.64	1.60756
n_{1064}	1064.00	1.60841
n_t	1013.98	1.60912
n_s	852.11	1.61182
$n_{A'}$	768.19	1.61366
n_f	706.52	1.61534
n_C	656.27	1.61701
$n_{C'}$	643.85	1.61748
n_{He-Ne}	632.80	1.61792
n_D	589.29	1.61988
n_d	587.56	1.61997
n_e	546.07	1.62228
n_F	486.13	1.62672
$n_{F'}$	479.99	1.62727
n_g	435.84	1.63198
n_h	404.66	1.63633
n_i	365.01	1.64372

Relative Partial Dispersion	
$P_{d,C}$	0.3050
$P_{e,d}$	0.2380
$P_{g,F}$	0.5420
$P'_{d,c'}$	0.2544
$P'_{e,d}$	0.2360
$P'_{g,F'}$	0.4813

Chemical Properties (grade)	
RC (S)	1
RA (S)	3
D _w	1
D _A	4
R _{OH} (S)	1
RP (S)	2
CR	1

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.957	0.916
2200	0.979	0.958
2000	0.995	0.990
1800	0.999	0.998
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	0.997	0.992
460	0.995	0.986
440	0.993	0.980
420	0.991	0.974
400	0.989	0.967
390	0.982	0.952
380	0.966	0.922
370	0.943	0.871
360	0.897	0.785
350	0.821	0.655
340	0.711	0.489
330	0.577	0.320
320	0.437	0.183
310	0.320	0.097
300	0.235	0.053
290		
280		

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0026
$\Delta P_{g,F}$	0.0045
$\Delta P_{C,t}$	-0.0367
$\Delta P_{C,s}$	-0.0189

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	94
-40/-30	96
-30/-20	97
-20/-10	98
-10/0	99
0/10	99
10/20	100
20/30	100
30/40	102
40/50	102
50/60	103
60/70	103
70/80	104
80/90	104
90/100	105
100/110	105
110/120	106
120/130	107
130/140	108
140/150	109
150/160	110

Thermal Properties	
T _g ($^{\circ}C$)	568
T _s ($^{\circ}C$)	594
T ₁₀ ^{14.5} ($^{\circ}C$)	515
T ₁₀ ¹³ ($^{\circ}C$)	555
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	103
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	118
λ (W/(m K))	0.61

Constants of Dispersion Formula	
A ₀	2.58545747E+00
A ₁	-9.52904974E-03
A ₂	1.36602628E-02
A ₃	3.41551059E-04
A ₄	-1.52997403E-05
A ₅	7.30579296E-07

Mechanical Properties	
HK (10^7 Pa)	420
F _A	315
E (GPa)	77.8
G (GPa)	29.5
μ	0.317
σ_b (MPa)	38
B (10^{-12} /Pa)	1.03

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
3.52	-1.9

Range of Temperature ($^{\circ}C$)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($\times 10^{-6} / ^{\circ}C$)									
	t	s	C	C'	He-Ne	d	e	F	F'	g
-60 ~ -40	-3.0	-3.0	-2.8	-2.8	-2.7	-2.7	-2.5	-2.3	-2.3	-2.0
-40 ~ -20	-3.1	-3.1	-2.9	-2.9	-2.8	-2.8	-2.6	-2.3	-2.3	-2.1
-20 ~ 0	-3.2	-3.0	-3.0	-3.0	-2.9	-2.8	-2.7	-2.4	-2.4	-2.1
0 ~ 20	-3.2	-3.2	-3.0	-3.0	-2.9	-2.9	-2.8	-2.4	-2.4	-2.2
20 ~ 40	-3.3	-3.2	-3.1	-3.1	-3.0	-2.9	-2.8	-2.5	-2.5	-2.2
40 ~ 60	-3.4	-3.3	-3.2	-3.1	-3.0	-3.0	-2.8	-2.5	-2.4	-2.2
60 ~ 80	-3.3	-3.2	-3.1	-3.1	-3.0	-3.0	-2.7	-2.4	-2.4	-2.1
80 ~ 100	-3.3	-3.2	-3.2	-3.1	-3.1	-3.1	-2.8	-2.4	-2.4	-2.2
100 ~ 120	-3.4	-3.3	-3.2	-3.2	-3.1	-3.1	-2.8	-2.5	-2.5	-2.2
120 ~ 140	-3.4	-3.3	-3.2	-3.2	-3.2	-3.2	-2.9	-2.6	-2.6	-2.3
140 ~ 160	-3.5	-3.3	-3.3	-3.3	-3.2	-3.2	-3.0	-2.7	-2.7	-2.4

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	365/295
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	335/278

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.00E-05	9.01E-09	-2.64E-11
E ₀	E ₁	λ_{TK}
3.58E-07	1.03E-10	2.54E-01