

H-PK63	603654	$n_d = 1.60300$	$v_d = 65.44$	$n_F - n_C = 0.009214$
		$n_e = 1.60520$	$v_e = 65.20$	$n_F - n_C = 0.009282$

Refractive Indices		
	λ (nm)	n_λ
n_{2325}	2325.42	1.57538
n_{1970}	1970.09	1.58054
n_{1530}	1529.58	1.58614
n_{1129}	1128.64	1.59099
n_{1064}	1064.00	1.59183
n_t	1013.98	1.59252
n_s	852.11	1.59517
$n_{A'}$	768.19	1.59696
n_f	706.52	1.59858
n_C	656.27	1.60019
$n_{C'}$	643.85	1.60064
n_{He-Ne}	632.80	1.60106
n_D	589.29	1.60292
n_d	587.56	1.60300
n_e	546.07	1.60520
n_F	486.13	1.60940
$n_{F'}$	479.99	1.60992
n_g	435.84	1.61435
n_h	404.66	1.61845
n_i	365.01	1.62538

Relative Partial Dispersion	
$P_{d,C}$	0.3050
$P_{e,d}$	0.2388
$P_{g,F}$	0.5372
$P'_{d,c'}$	0.2543
$P'_{e,d}$	0.2370
$P'_{g,F'}$	0.4773

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

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.804	0.646
2200	0.854	0.730
2000	0.931	0.867
1800	0.967	0.935
1600	0.990	0.980
1400	0.995	0.990
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	0.999	0.998
420	0.997	0.994
400	0.994	0.988
390	0.990	0.981
380	0.984	0.974
370	0.973	0.961
360	0.961	0.936
350	0.941	0.899
340	0.907	0.835
330	0.848	0.728
320	0.754	0.575
310	0.620	0.390
300	0.457	0.212
290	0.286	0.084
280	0.143	0.022

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0018
$\Delta P_{g,F}$	0.0023
$\Delta P_{C,t}$	-0.0248
$\Delta P_{C,s}$	-0.0126

Expansion Coefficient α ($\times 10^{-7}/K$)	
$^{\circ}C$	α
-50/-40	73
-40/-30	76
-30/-20	77
-20/-10	79
-10/0	81
0/10	81
10/20	82
20/30	82
30/40	83
40/50	83
50/60	84
60/70	84
70/80	84
80/90	85
90/100	86
100/110	87
110/120	87
120/130	89
130/140	90
140/150	91
150/160	92

Thermal Properties	
T _g ($^{\circ}C$)	604
T _s ($^{\circ}C$)	639
T ₁₀ ^{14.5} ($^{\circ}C$)	561
T ₁₀ ¹³ ($^{\circ}C$)	588
$\alpha_{-50/80^{\circ}C}$ ($10^{-7}/K$)	93
$\alpha_{100/300^{\circ}C}$ ($10^{-7}/K$)	110
λ (W/(m K))	0.48

Constants of Dispersion Formula	
A ₀	2.53403512E+00
A ₁	-1.00840331E-02
A ₂	1.24087634E-02
A ₃	4.77201613E-04
A ₄	-4.35207709E-05
A ₅	2.38050740E-06

Mechanical Properties	
HK (10^7 Pa)	361
F _A	351
E (GPa)	64.8
G (GPa)	24.7
μ	0.309
σ_b (MPa)	42
B (10^{-12} /Pa)	1.05

Density	Solarization
ρ (g/cm ³)	$\Delta\lambda$ (%)
3.64	-2.6

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	-3.8	-3.6	-3.5	-3.5	-3.5	-3.4	-3.3	-3.2	-3.1	-2.9
-40 ~ -20	-3.7	-3.5	-3.4	-3.4	-3.4	-3.3	-3.3	-3.1	-3.1	-2.8
-20 ~ 0	-3.7	-3.5	-3.5	-3.5	-3.5	-3.3	-3.3	-3.1	-3.1	-2.8
0 ~ 20	-3.7	-3.5	-3.5	-3.5	-3.5	-3.4	-3.4	-3.2	-3.2	-2.9
20 ~ 40	-3.7	-3.4	-3.5	-3.5	-3.5	-3.4	-3.4	-3.2	-3.2	-2.9
40 ~ 60	-3.7	-3.5	-3.5	-3.5	-3.5	-3.4	-3.4	-3.2	-3.2	-2.8
60 ~ 80	-3.6	-3.5	-3.5	-3.4	-3.4	-3.3	-3.3	-3.0	-3.0	-2.8
80 ~ 100	-3.6	-3.6	-3.5	-3.4	-3.4	-3.3	-3.1	-2.9	-2.8	-2.7
100 ~ 120	-3.6	-3.6	-3.4	-3.4	-3.4	-3.2	-3.0	-2.8	-2.7	-2.6
120 ~ 140	-3.7	-3.5	-3.4	-3.4	-3.4	-3.2	-3.1	-2.8	-2.7	-2.6
140 ~ 160	-3.6	-3.6	-3.4	-3.4	-3.4	-3.3	-3.1	-2.8	-2.7	-2.6

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	345/275
Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	333/274

Constants of dn/dt		
D ₀	D ₁	D ₂
-1.10E-05	1.08E-08	-2.38E-11
E ₀	E ₁	λ_{TK}
2.86E-07	3.72E-10	2.46E-01