H-PK62 618634

n_d = 1.61800	υ_d = 63.39	$n_F - n_C$ = 0.009748
n_e = 1.62032	υ_e = 63.11	$n_{F'} - n_{C'}$ = 0.009829

Refractive Indices		
	λ(nm)	
n_r	706.5	1.61334
n_C	656.3	1.61503
$n_{C'}$	643.8	1.61550
n_{He-Ne}	632.8	1.61594
n_D	589.3	1.61791
n_d	587.6	1.61800
n_e	546.1	1.62032
n_F	486.1	1.62478
$n_{F'}$	480.0	1.62533
n_g	435.8	1.63004
n_h	404.7	1.63439
n_i	365.0	1.64177

Chemical Properties (grade)	
RC(S)	1
RA(S)	1
D_W	1
D_A	4

Thermal Properties	
Tg(℃)	580
Ts(℃)	613
$T_{10}^{14.5}$(℃)	548
T_{10}^{13}(℃)	572
$\alpha_{20/120℃}$ (10^{-7}/K)	100
$\alpha_{20/300℃}$ (10^{-7}/K)	115
λ(W/m·K)	

Internal Transmittance		
λ(nm)	τ5mm	τ10mm
2400	0.942	0.887
2200	0.962	0.925
2000	0.983	0.966
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
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	0.998	0.996
400	0.997	0.994
390	0.993	0.986
380	0.985	0.970
370	0.971	0.943
360	0.939	0.882
350	0.869	0.755
340	0.731	0.534
330	0.485	0.235
320	0.187	0.035
310		
300		
290		
280		

Constants of Dispersion Formula	
A_0	2.5807942
A_1	-1.1237311×10-2
A_2	1.2840196×10-2
A_3	5.6678948×10-4
A_4	-4.5254526×10-5
A_5	2.1855982×10-6

Mechanical Properties	
H_K(10^7Pa)	319
F_A	554
E(10^7Pa)	7069
G(10^7Pa)	2749
μ	0.296
B(10^{-12}/Pa)	

Relative Partial Dispersion			
$P_{d,c}$	0.3046	$P'_{d,c'}$	0.2541
$P_{e,d}$	0.2387	$P'_{e,d}$	0.2367
$P_{g,F}$	0.5392	$P'_{g,F'}$	0.4788

Anomalous dispersions	
$\Delta P_{F,e}$	0.0016
$\Delta P_{g,F}$	0.0014

Range of Temperature (℃)	Temperature Coefficients of Refractive Index dn/dt relative (10^{-6} / ℃)						
	t	C'	He-Ne	D	e	F'	g
-40～-20	-7.2	-7.0	-7.0	-6.9	-6.8	-6.6	-6.4
-20～0	-7.4	-7.1	-7.1	-7.0	-6.9	-6.7	-6.5
0～20	-7.5	-7.2	-7.2	-7.1	-7.0	-3.1	-6.5
20～40	-7.5	-7.3	-7.3	-7.2	-7.1	-6.8	-6.6
40～60	-7.5	-7.3	-7.3	-7.2	-7.1	-6.8	-6.6
60～80	-7.5	-7.3	-7.3	-7.2	-7.0	-6.8	-6.5

Density	
ρ(g/cm^3)	3.90

Coloration Code			
λ_{80}/λ_5	36/30	λ_{70}/λ_5	