

<b>H-PK63</b> <b>603654</b>	$n_d = 1.60300$	$v_d = 65.44$	$n_F - n_C = 0.009214$
	$n_e = 1.60520$	$v_e = 65.20$	$n_{F'} - n_{C'} = 0.009282$

Refractive Indices		
	$\lambda(\text{nm})$	$n_\lambda$
$n_{2325}$	2325.42	1.57538
$n_{1970}$	1970.09	1.58054
$n_{1530}$	1529.58	1.58614
$n_{1129}$	1128.64	1.59099
$n_t$	1013.98	1.59252
$n_s$	852.11	1.59517
$n_{A'}$	768.19	1.59696
$n_r$	706.52	1.59858
$n_C$	656.27	1.60019
$n_{C'}$	643.85	1.60064
$n_{\text{He-Ne}}$	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

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

Relative Partial Dispersions			
$P_{d,C}$	0.3051	$P'_{d,C'}$	0.2543
$P_{e,d}$	0.2389	$P'_{e,d}$	0.2371
$P_{g,F}$	0.5375	$P'_{g,F'}$	0.4774

Range of Temperature (°C)	Temperature Coefficients of Refractive Index						
	dn/dt relative ( $10^{-6} / ^\circ\text{C}$ )						
	t	C'	He-Ne	D	e	F'	g
-40 ~ -20	-3.6	-3.4	-3.4	-3.3	-3.3	-3.1	-2.8
-20 ~ 0	-3.7	-3.5	-3.5	-3.4	-3.3	-3.1	-2.9
0 ~ 20	-3.7	-3.5	-3.5	-3.4	-3.3	-3.1	-2.9
20 ~ 40	-3.7	-3.5	-3.5	-3.4	-3.3	-3.1	-2.9
40 ~ 60	-3.7	-3.5	-3.5	-3.4	-3.3	-3.0	-2.8
60 ~ 80	-3.6	-3.4	-3.4	-3.3	-3.2	-2.9	-2.7

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

Thermal Properties	
$T_g(^\circ\text{C})$	598
$T_s(^\circ\text{C})$	634
$T_{10}^{14.5}(^\circ\text{C})$	561
$T_{10}^{13}(^\circ\text{C})$	588
$\alpha_{-50/80^\circ\text{C}}(10^{-7}/\text{K})$	79
$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$	95

Mechanical Properties	
HK( $10^7\text{Pa}$ )	361
$F_A$	351
$E(10^7\text{Pa})$	6948
$G(10^7\text{Pa})$	2693
$\mu$	0.290
$B(\text{nm}/\text{cm}/10^5\text{Pa})$	1.160

Density	
$\rho(\text{g}/\text{cm}^3)$	3.64

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	0.0019
$\Delta P_{g,F}$	0.0026
$\Delta P_{C,t}$	-0.0244
$\Delta P_{C,s}$	-0.0124

Internal Transmittance		
$\lambda(\text{nm})$	$\tau_5\text{mm}$	$\tau_{10}\text{mm}$
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
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

Coloration Code	
$\lambda_{80}(\lambda_{70})/\lambda_5$	350/285

Coloration of Internal Transmittance	
$\lambda\tau_{80}/\lambda\tau_5$	333/274