Supporting Information

Novel Solution-processable Optically Isotropic Colorless Polyimidothioethers/TiO$_2$ Hybrids with Tunable Refractive Index

Chia-Liang Tsai,$^a$ Hung-Ju Yen,$^a$ Wen-Chang Chen,$^{a,b}$ and Guey-Sheng Liou* $^a$

$^a$ Institute of Polymer Science and Engineering, National Taiwan University, 1 Roosevelt Road, 4th Section, Taipei 10617, Taiwan

$^b$ Department of Chemical Engineering, National Taiwan University, 1 Roosevelt Road, 4th Section, Taipei 10617, Taiwan

* Corresponding author. E-mail: gsliou@ntu.edu.tw

List of Contents for Supplementary Material:

Figure S1 FTIR spectra of the studied films (a) S-OHS (b) S-OHS$_{50}$

Figure S2 TGA thermograms of PITEs in N$_2$

Figure S3 TGA thermograms of S-OHS hybrid materials in N$_2$

Figure S4 TGA thermograms of S-OHS hybrid materials in air

Figure S5 TMA curve of S-OHS with a heating rate of 10 °C/min

Figure S6 TMA curve of S-OHS$_{50}$ with a heating rate of 10 °C/min
Figure S1 FTIR spectra of the studied films (a) S-OHS (b) S-OHS50.
**Figure S2** TGA thermograms of PITEs in N₂.
Figure S3 TGA thermograms of S-OHS hybrid materials in N2.
Figure S4 TGA thermograms of S-OHS hybrid materials in air.
Figure S5 TMA curve of S-OHS with a heating rate of 10 °C/min.
Figure S6 TMA curve of S-OHS50 with a heating rate of 10 °C/min