Supporting Informations

Experimental section

$^1$H Nuclear Magnetic Resonance spectra were obtained at room temperature by using Bruker DX400 at 400MHz with tetramethylsilane as the reference. Gel permeation chromatography (GPC) analysis was also performed by a set of a Hitachi/Merck L-7100 pump, a Waters 2414 refractive index detector and a Waters 486 ultraviolet detector, the combination of Hersteller MZ-Gel SDplus 5 μm, porosity 100 Å, $10^3$ Å, $10^4$ Å, and $10^6$ Å. THF with 1g/L LiBr was used as eluent at flow rate of 1mL/min at 35 °C. Matrix Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectra (MALDI-TOF MS) were obtained with a Bruker Biflex III spectrometer using laser of 337 nm and potassium chloride and 4’-hydroxy-α-cyanocinnamic acid as ionizing and matrix reagents, respectively.

Supporting Figures

Figure S1. H-NMR spectrum of 1,6,7,12 – tetrachloro – N – octadecyl - N' - (ethoxyldimethylsilyl) propyl – perylene - 3,4,9,10 - tetracarboxylic acid diimide
Figure S2. H-NMR spectrum of 1,6,7,12-tetrachloro-N-octadecyl-N'-(hydroxydimethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide

Figure S3. H-NMR spectrum of 1,6,7,12-tetrachloro-N-octadecyl-N'-(diethoxymethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide
Figure S4. H-NMR spectrum of 1,6,7,12-tetrachloro-N-octadecyl-N'-(dihydroxymethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide

Figure S5. H-NMR spectrum of oligomeric PDI
Figure S6. MALDI-TOF MS of 1,6,7,12-tetrachloro-N-octadecyl-N’-(ethoxydimethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide

Figure S7. MALDI-TOF MS of 1,6,7,12-tetrachloro-N-octadecyl-N’-(hydroxydimethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide
Figure S8. MALDI-TOF MS of 1,6,7,12-tetrachloro-N-octadecyl-N'-(diethoxymethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide

Figure S9. MALDI-TOF MS of 1,6,7,12-tetrachloro-N-octadecyl-N'-(dihydroxymethylsilyl) propyl-perylene-3,4,9,10-tetracarboxylic acid diimide
Figure S10. GPC curve of rGO-(PDI)$_n$

Figure S11. XPS spectra of rGO-PDI and rGO-(PDI)$_n$
Figure S12. UV-vis spectra of a. PDI in DMF; b. GO in DMF; c. rGO-PDI in DMF and d. rGO-(PDI)_n in DMF.