Supporting Information

Synthesis of *o*-Xylene-Organosilicon Hybrid Polymer and Its Optical Properties

Jin-Kyu Choi and Hyun-Dam Jeong*

*Department of Chemistry, Chonnam National University, Gwangju 500-757, Korea. *E-mail: hdjeong@chonnam.ac.kr*
Received October 15, 2012, Accepted November 22, 2012

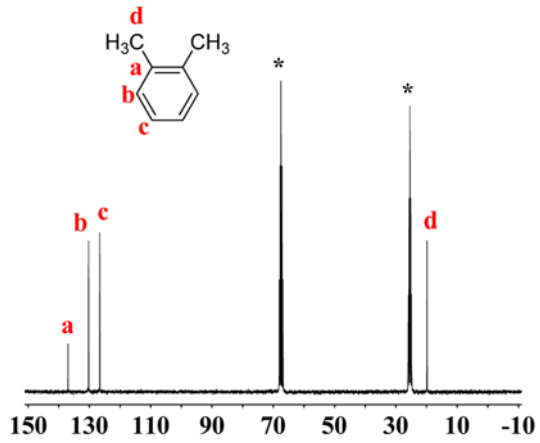

Figure S1. ^{13}C-NMR spectrum (75 MHz; THF-d_8) of *o*-xylene. *o*-Xylene shows four peaks at 136.98 (a), 130.23 (b), 126.55 (c), and 19.80 (d) ppm. *THF.

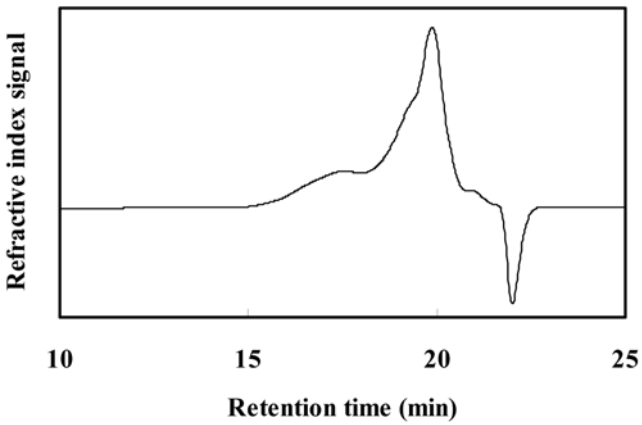

Figure S2. Gel permeation chromatography (GPC) results of the synthesized poly xylene-hexamethyltrisiloxane hybrid (PXS). The weight-averaged molecular weight (Mw) and polydispersity (Mw/Mn) of the PXS was determined by SEC with polystyrene standards and measured to be approximately 7160 and 5.6, respectively, using GPC.

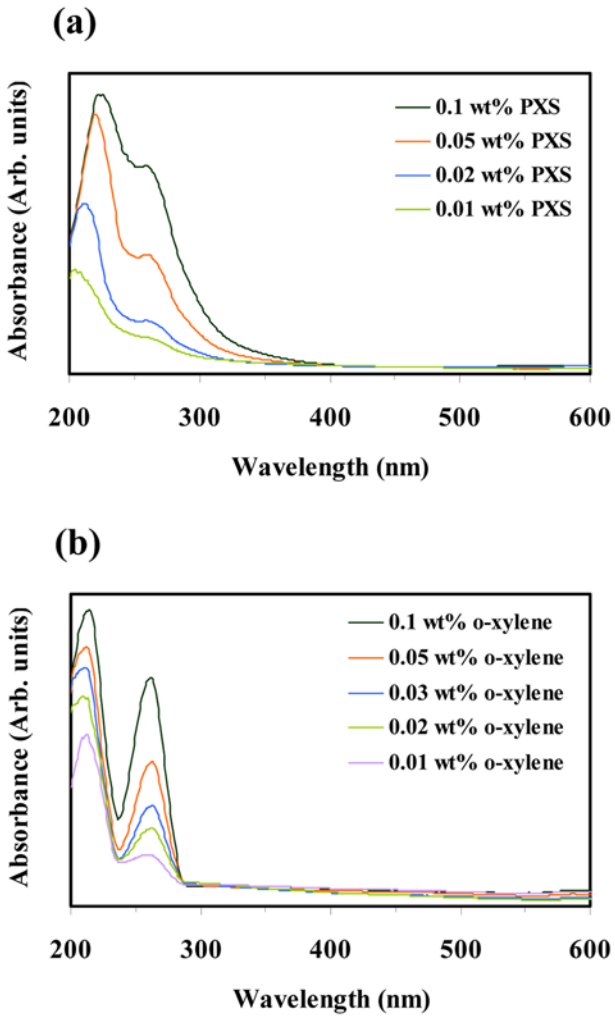

Figure S3. UV-vis absorption spectra of (a) poly xylene-hexamethyltrisiloxane hybrid (PXS) and (b) *o*-xylene solutions in THF according to the concentration.