

Supporting Information for

A Fluorinated Cross-linked Polystyrene with Good Dielectric Properties at High Frequency Derived from Bio-based Vanillin

Menglu Dai,[†] Jing Sun,^{*,†} and Qiang Fang^{*,†}

[†]Key Laboratory of Synthetic and Self-Assembly Chemistry for Organic Functional Molecules, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 345 Lingling Road, Shanghai 200032, P. R. China. E-mail: qiangfang@mail.sioc.ac.cn, sunjing@sioc.ac.cn

Contents:

Characterizations

Fig. S1 ^1H NMR spectrum of monomer **M** (400 MHz, CDCl_3).

Fig. S2 ^{13}C NMR spectra of monomer **M** (126 MHz, CDCl_3).

Fig. S3 ^{19}F NMR spectrum of monomer **M** (376 MHz, CDCl_3).

Fig. S4 The stress–strain curves of **P** at room temperature.

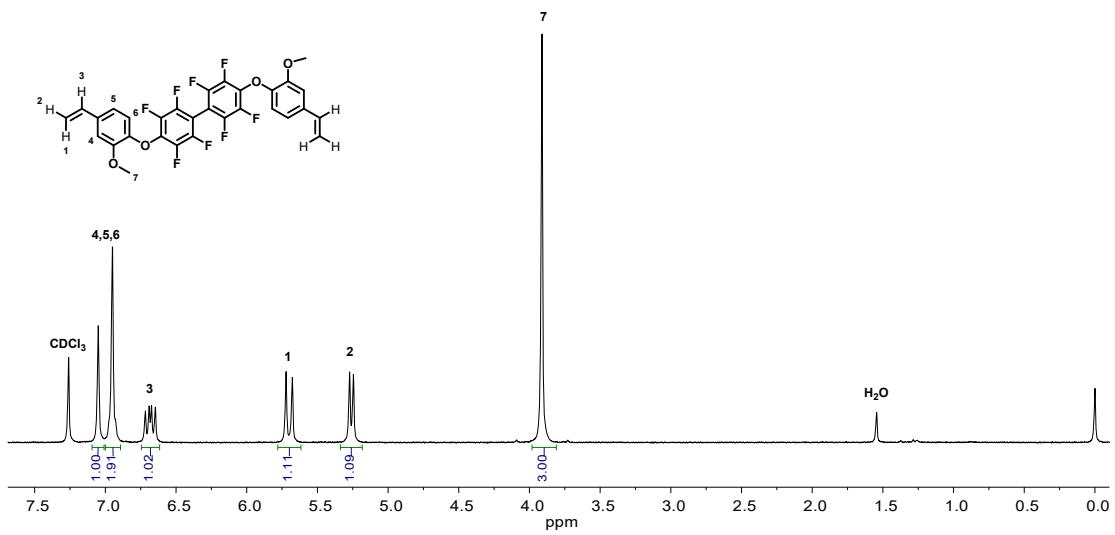


Fig. S1 ^1H NMR spectrum of monomer **M** (400 MHz, CDCl_3).

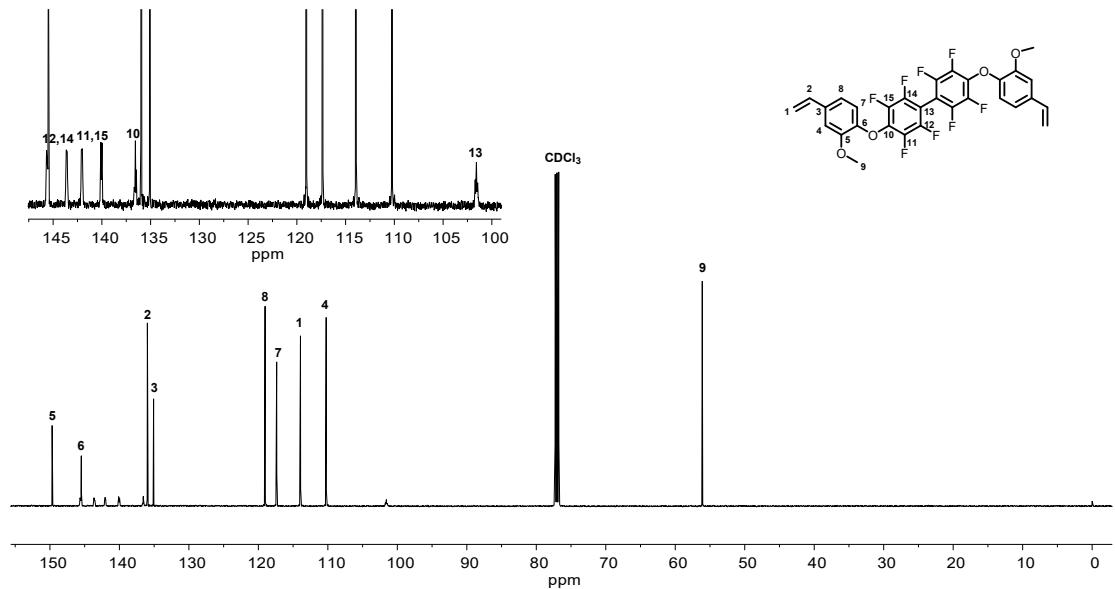


Fig. S2 ^{13}C NMR spectra of monomer **M** (126 MHz, CDCl_3).

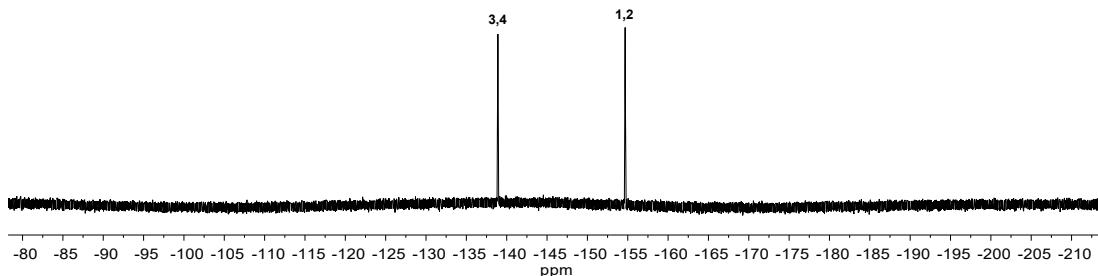
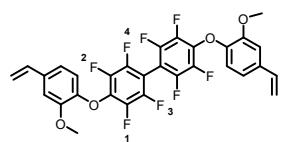


Fig. S3 ^{19}F NMR spectrum of monomer **M** (376 MHz, CDCl_3).

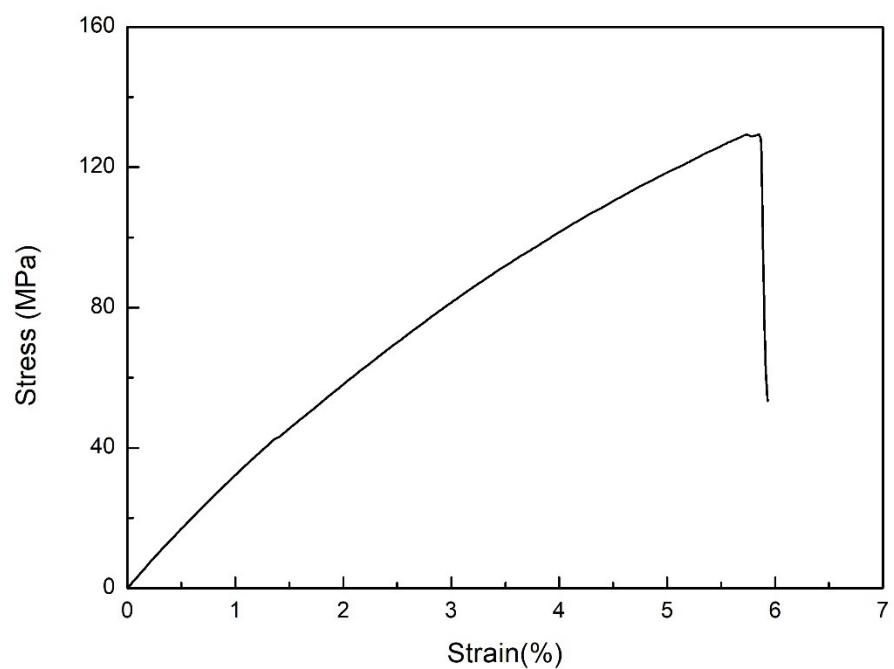


Fig. S4 The stress-strain curves of **P** at room temperature.