

Preparation and Application of a Multifunctional Interfacial Modifier for Ramie Fiber/Epoxy Resin Composites

Liyue Zhang ^{1,2}, Jingkai Liu ², Jinyue Dai ², Xufeng Zhang ³, Xiaoling Liu ¹, Xiaoqing Liu ^{2,*} and Xiaosu Yi ^{1,*}

¹ New Material Institute, University of Nottingham Ningbo China, Ningbo 315100, China; zhangliyue@nimte.ac.cn (L.Z.); xiaoling.liu@nottingham.edu.cn (X.L.)

² Key Laboratory of Marine Materials and Related Technologies, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo 315201, China; liujingkai@nimte.ac.cn (J.L.); daijinyue@nimte.ac.cn (J.D.)

³ College of Materials, Beijing Institute of Technology, Beijing 100081, China; 010xufeng@sina.com

* Correspondence: liuxq@nimte.ac.cn (X.L.); xiaosu.yi@nottingham.edu.cn (X.Y.)

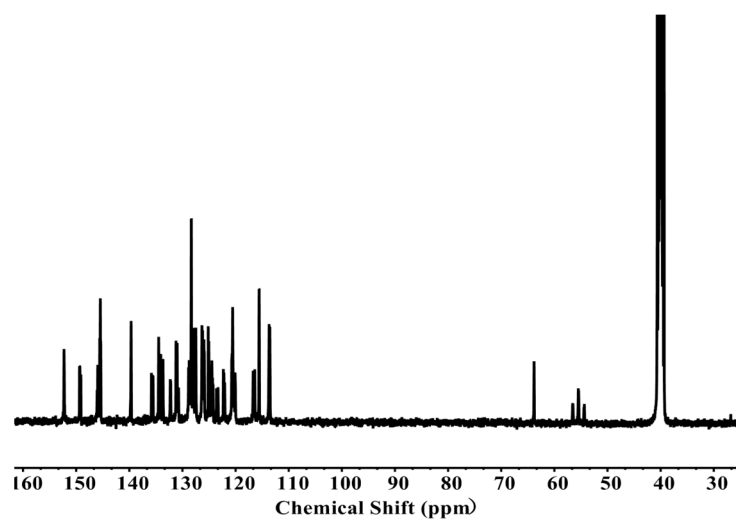


Figure S1 ^{13}C NMR spectra of FPD.

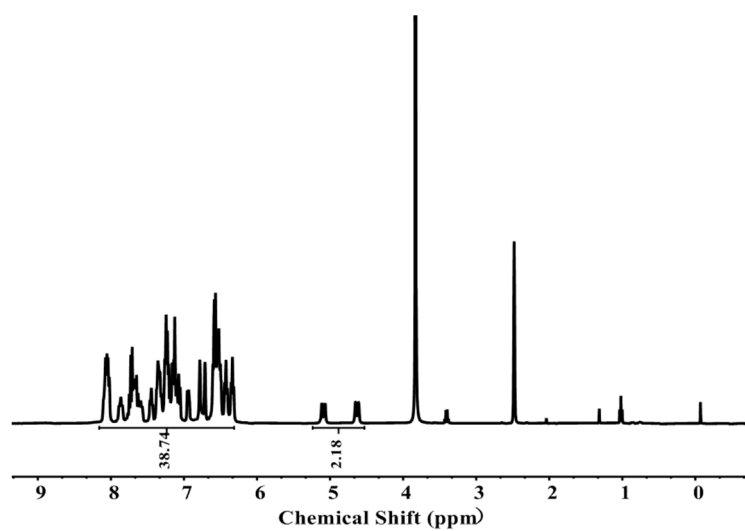


Figure S2 ^1H NMR spectra with D_2O of FPD.

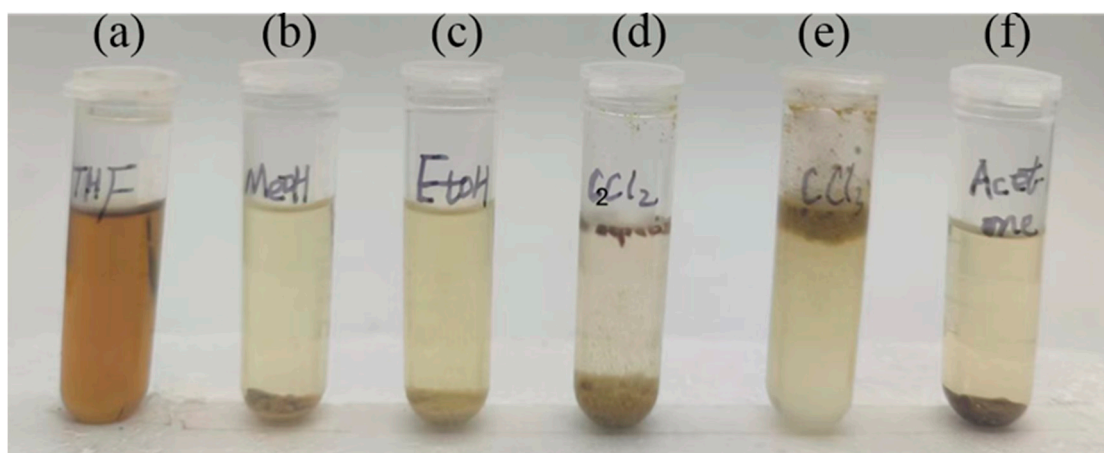


Figure S3 The image of FPD dissolution status in tetrahydrofuran(a), methyl alcohol(b), ethyl alcohol(c), dichloromethane(d), trichloromethane(e) and acetone(f).