

Synthesis of Novel Arylamine containing Perfluorocyclobutane and Its Electrochromic Properties

Bogyu Lim^a, Yoon-Chae Nah^{a,b}, Jin-Taek Hwang^c, Jieun Ghim^{a,d}, Doojin Vak^{a,e}, Jin-Mun Yun,^a and Dong-Yu Kim^a

^a Department of Materials Science and Engineering, Gwangju Institute of Science and Technology, 1 Oryong-Dong, Buk-Gu, Gwangju 500-712, Republic of Korea.

^b Department of Materials Science, WW4-LKO, University of Erlangen-Nuremberg, 91058 Erlangen, Germany

^c R&D Center, e-Polymers Co., Ltd. 217-4, Hwapyung-ri, Ganam-myun, Yeosu-gun, Gyunggi-do, Korea.

^d Present address: Advanced R&D Center, Electronic Components Group, Senior Research Engineering, LS Cable, Ltd., 555 Hoge-dong, Dongan-gu, Anyang-si, Kyungki-do 431-080, Republic of Korea

^e Present address: Bio21 Institute (Holmes Lab.), University of Melbourne, Building 102, 30 Flemington Road, Parkville, Victoria 3010, Australia

Supporting Information

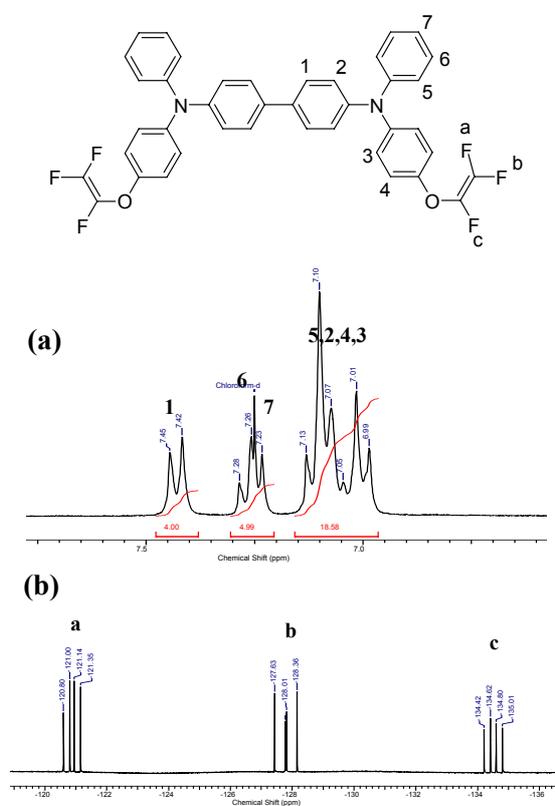


Figure S1 (a) ¹H NMR and (b) ¹⁹F NMR spectra of TPD-TFVE in CDCl₃.

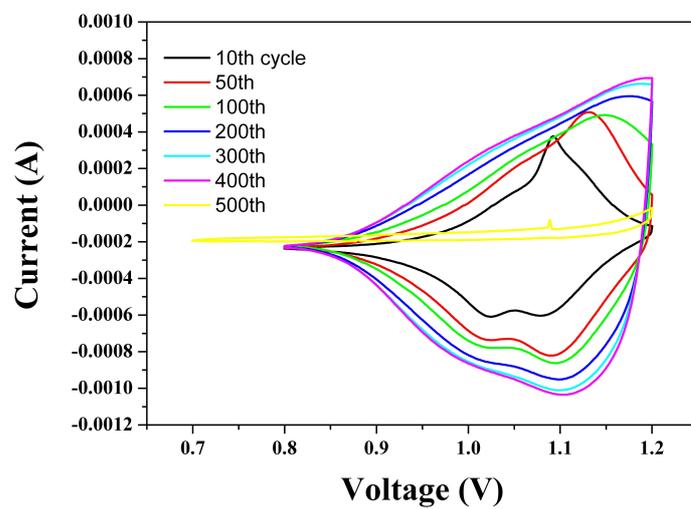


Figure S2 Cyclic voltammogram of TPD-PFCB film onto the indium-tin oxide-coated glass substrate over 500 cyclic scans.