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Supporting Information

Synthesis of an Original MAFTEG Monomer and its Radical Copolymerization with Vinylidene Fluoride. Application as Polymer Electrolyte Gel for Li-Ion Batteries

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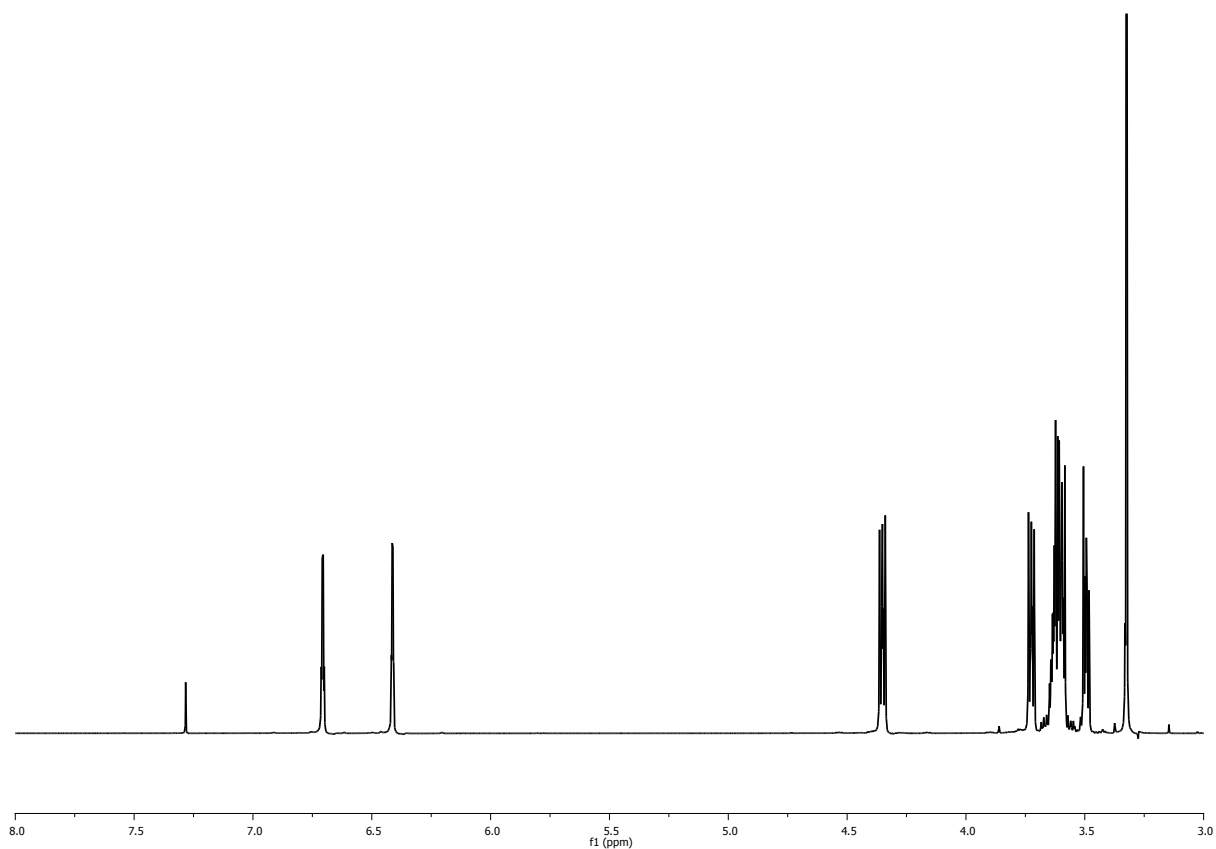


Figure S1: ¹H NMR spectrum (CDCl₃, 400 MHz, room temperature) of MAFTEG monomer

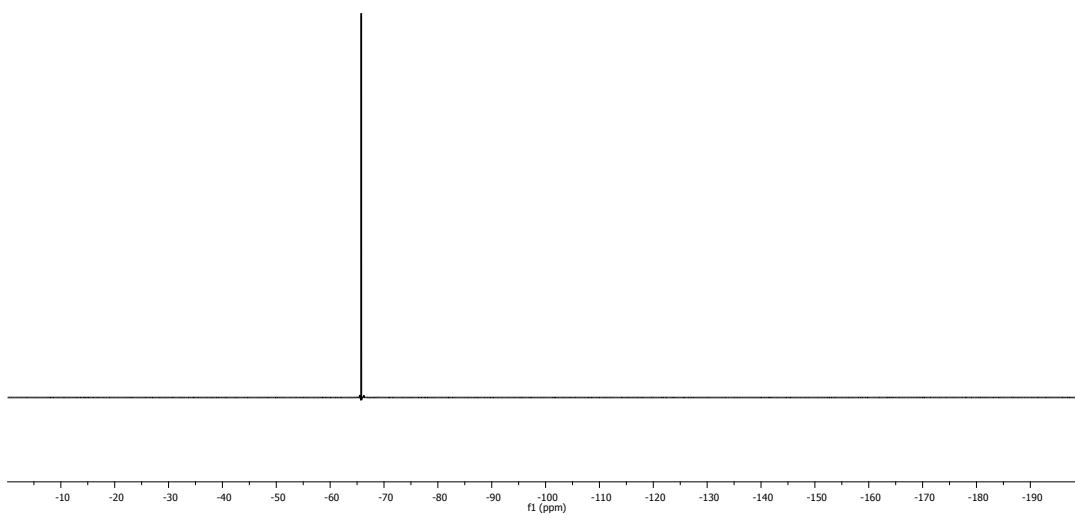


Figure S2: $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum (CDCl_3 , 376 MHz, room temperature) of MAFTEG monomer

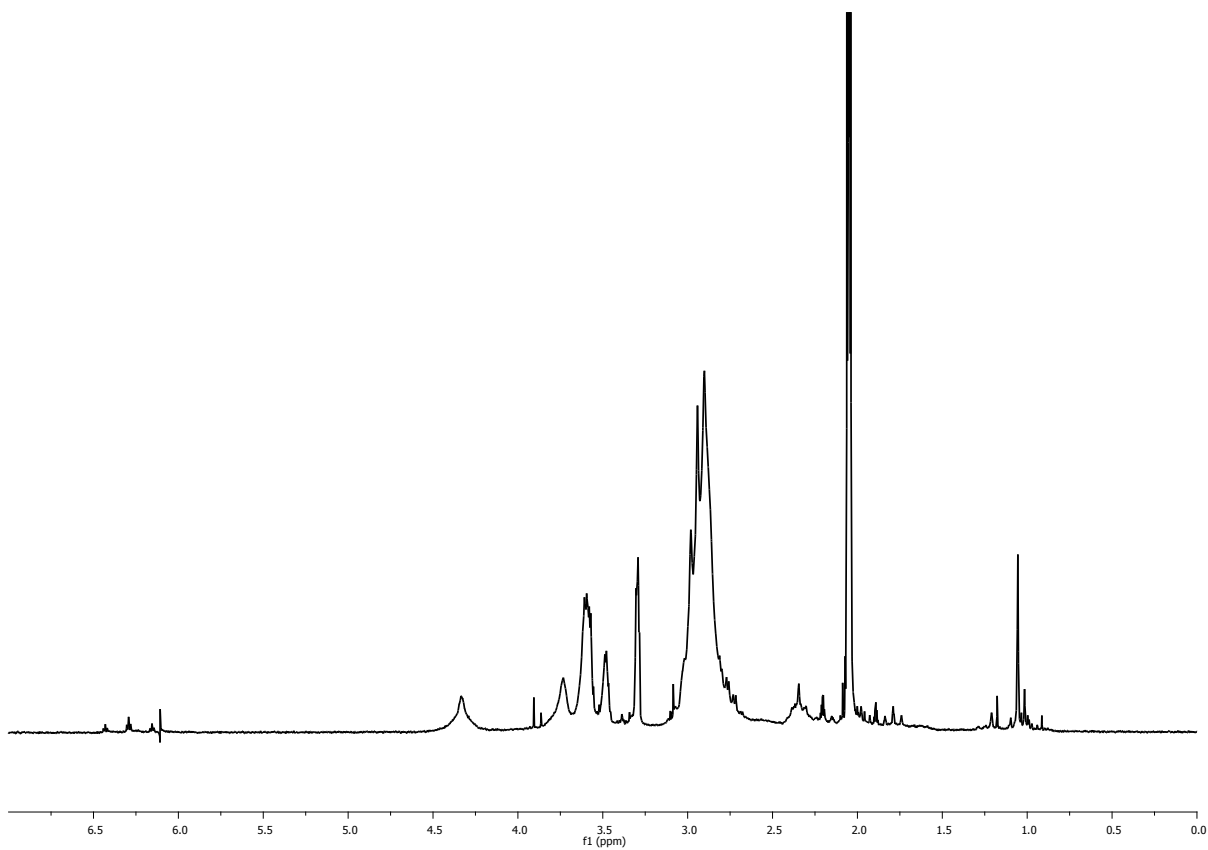


Figure S3: ^1H NMR spectrum (acetone D_6 , 400 MHz) of a 89/11 poly(VDF-*co*-MAFTEG) copolymer

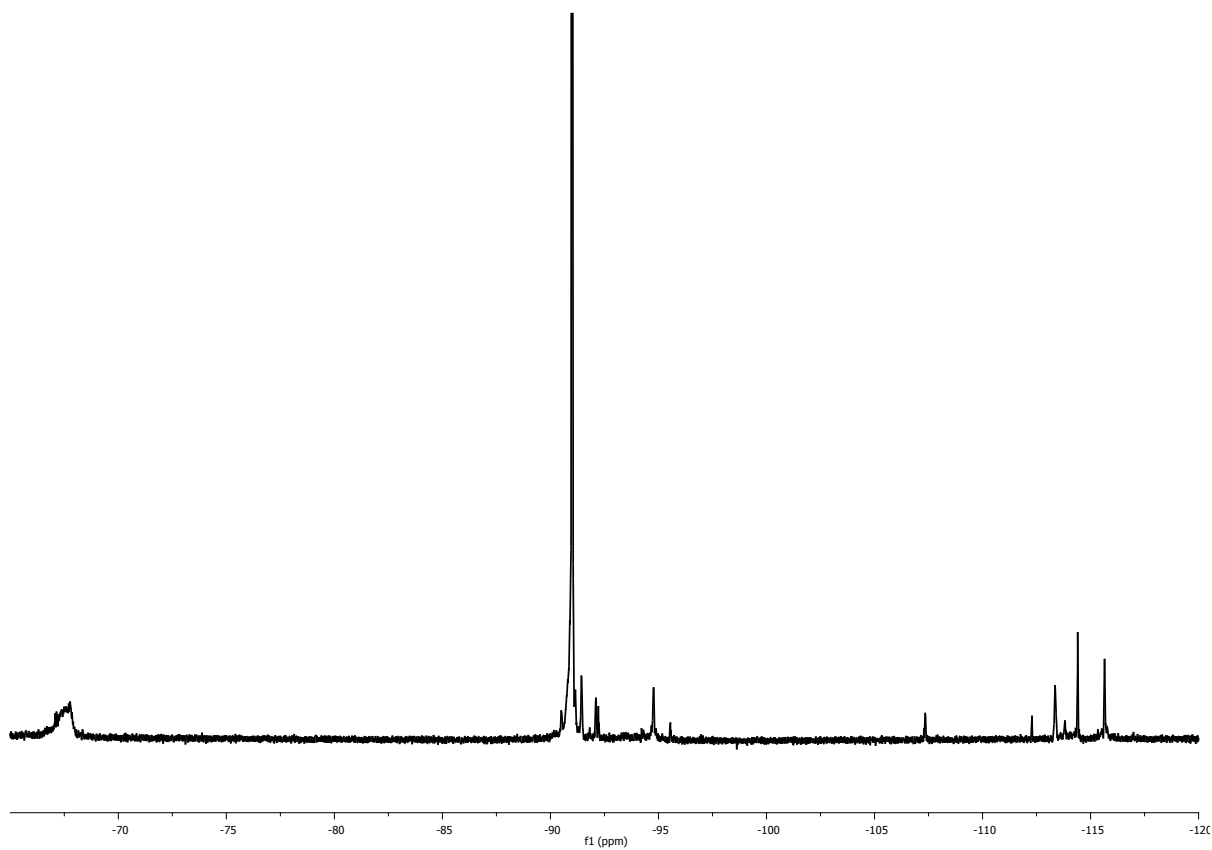


Figure S4: $^{19}\text{F}\{^1\text{H}\}$ NMR spectrum (acetone D_6 , 376 MHz) of 89/11 poly(VDF-*co*-MAFTEG) copolymer

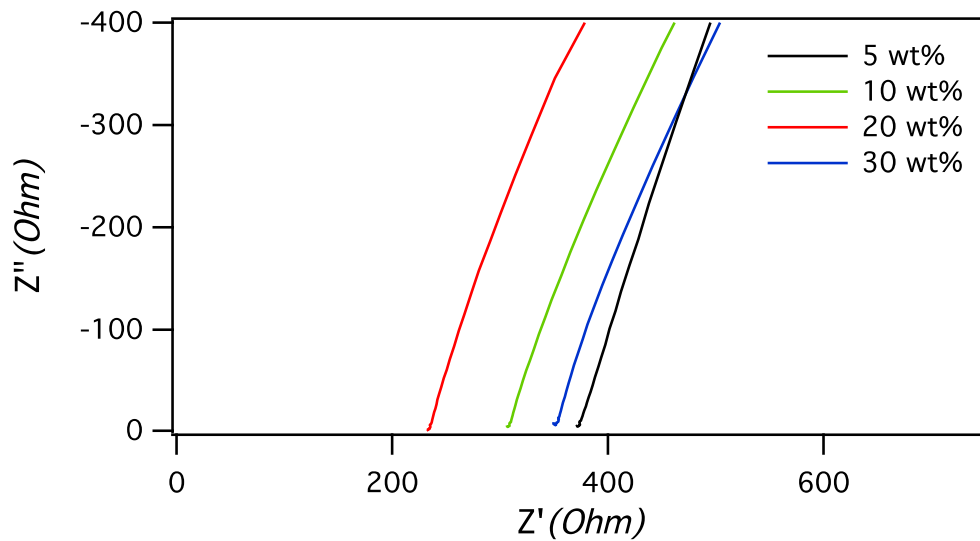


Figure S5: Nyquist plot of ionic liquid P(VDF-co-MAFTEG) copolymer (9 mol% MAFTEG) gel polymer electrolyte at several silica contents.