

## Supporting information:

Fluorinated polymer networks with largely  
improved energy densities using facile urethane-  
based crosslinking of poly(vinylidene fluoride-*co*-  
vinyl alcohol)

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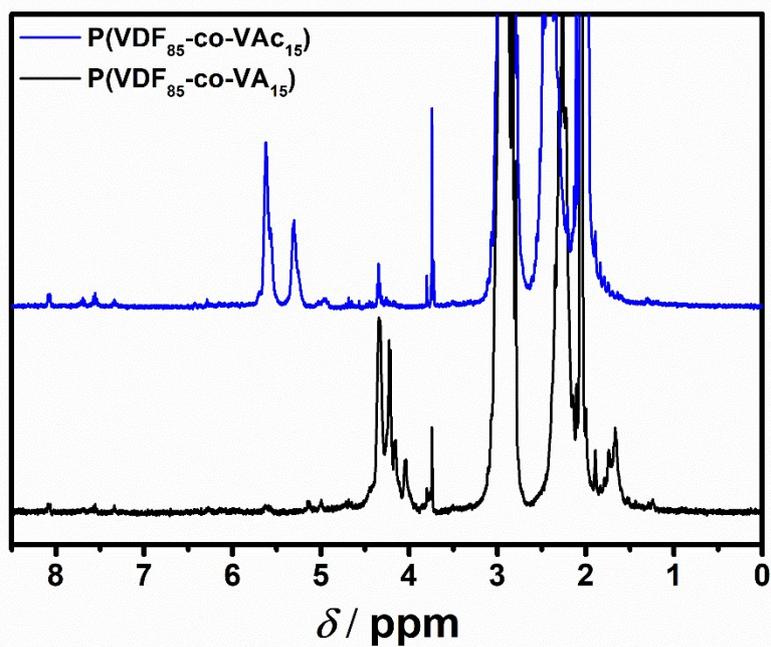


Figure S1. <sup>1</sup>H NMR spectrum of P(VDF<sub>85</sub>-co-VAc<sub>15</sub>)

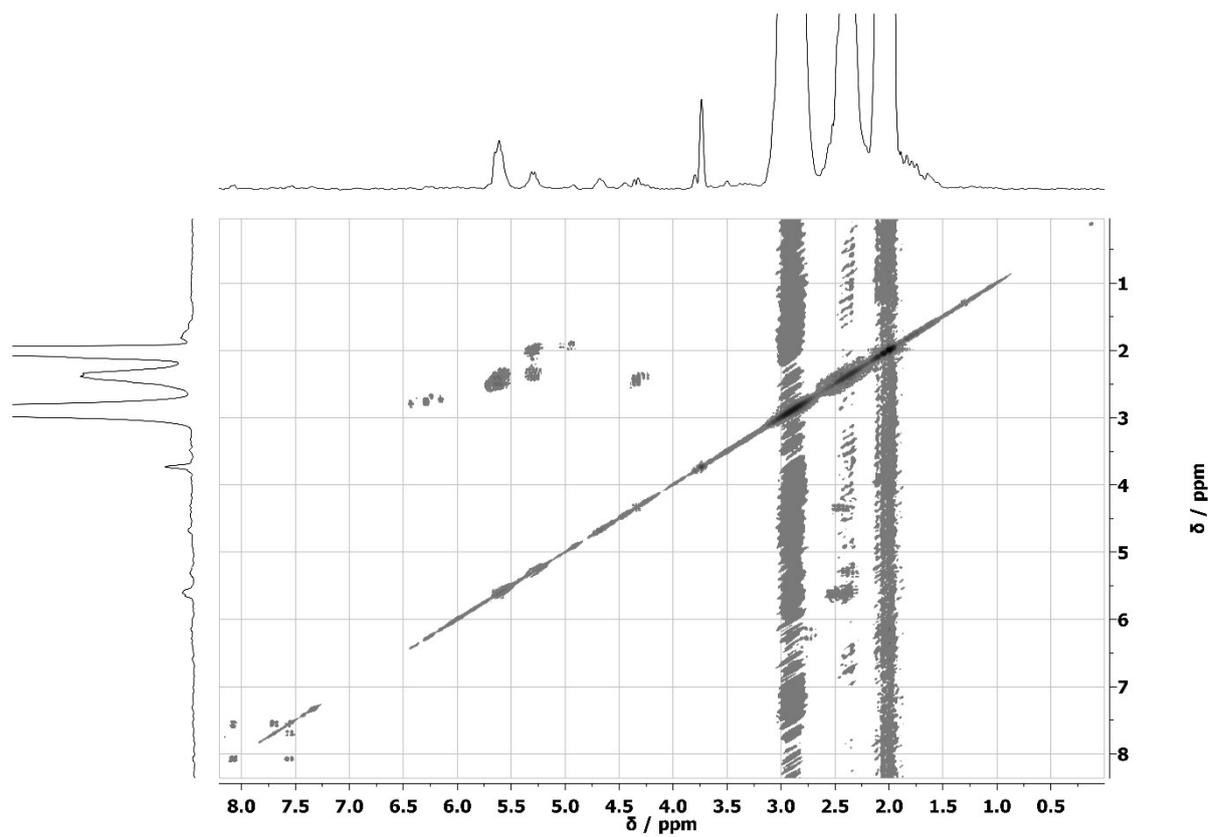


Figure S2. <sup>1</sup>H COSY spectrum of P(VDF<sub>85</sub>-co-VAc<sub>15</sub>)

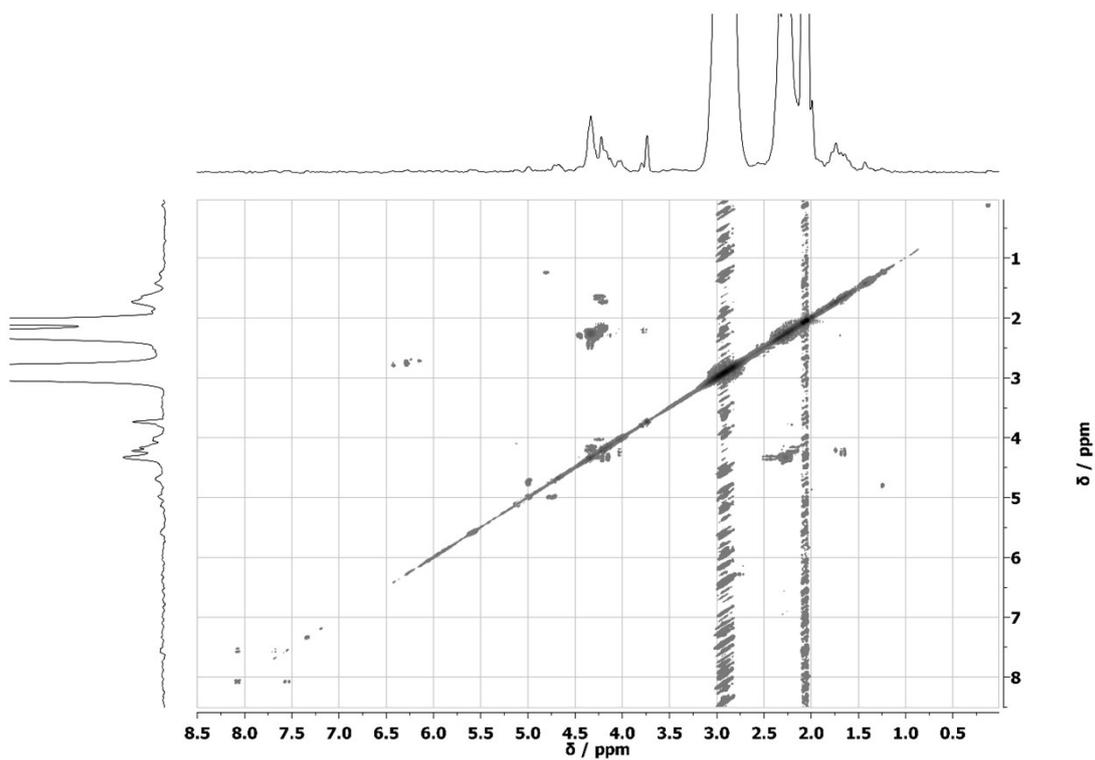


Figure S3.  $^1\text{H}$  COSY spectrum of  $\text{P}(\text{VDF}_{85}\text{-co-VA}_{15})$

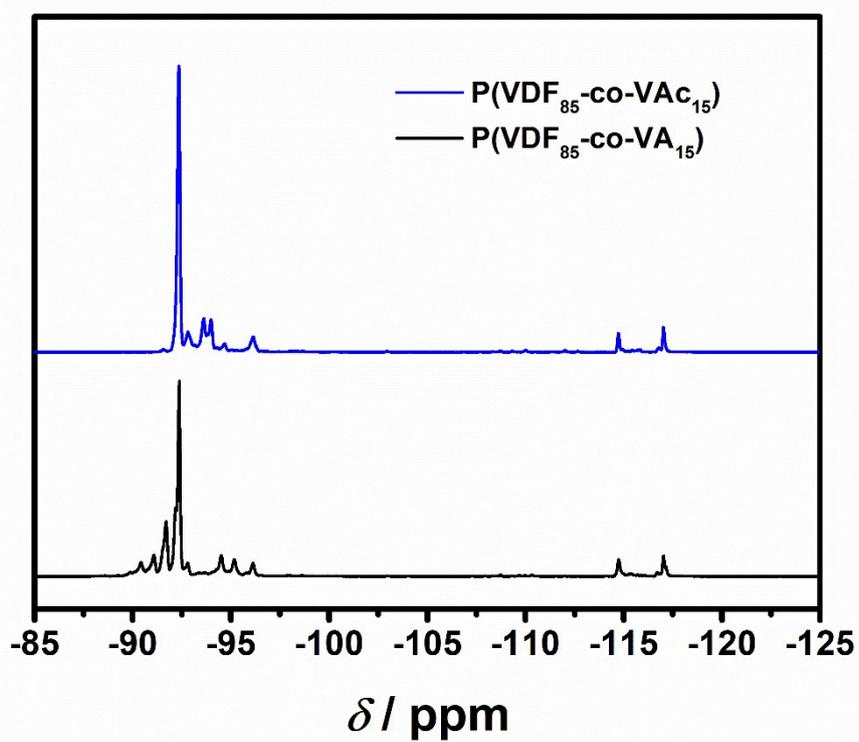


Figure S4.  $^{19}\text{F}$  NMR spectra of  $\text{P}(\text{VDF}_{85}\text{-co-VAc}_{15})$  and  $\text{P}(\text{VDF}_{85}\text{-co-VA}_{15})$

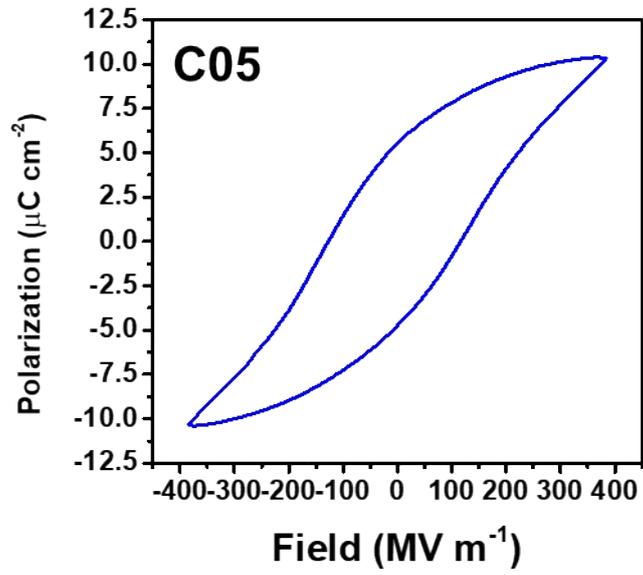


Figure S5. Polarization – Electric Field loops of C05 at high electric field.

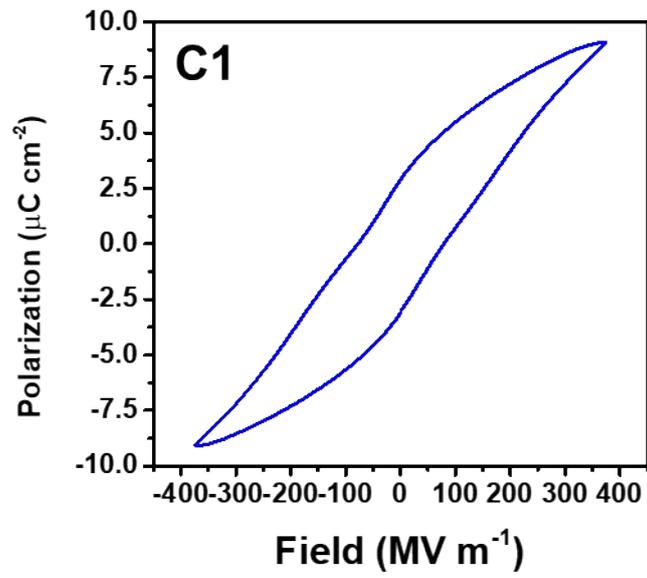


Figure S6. Polarization – Electric Field loops of C1 at high electric field.

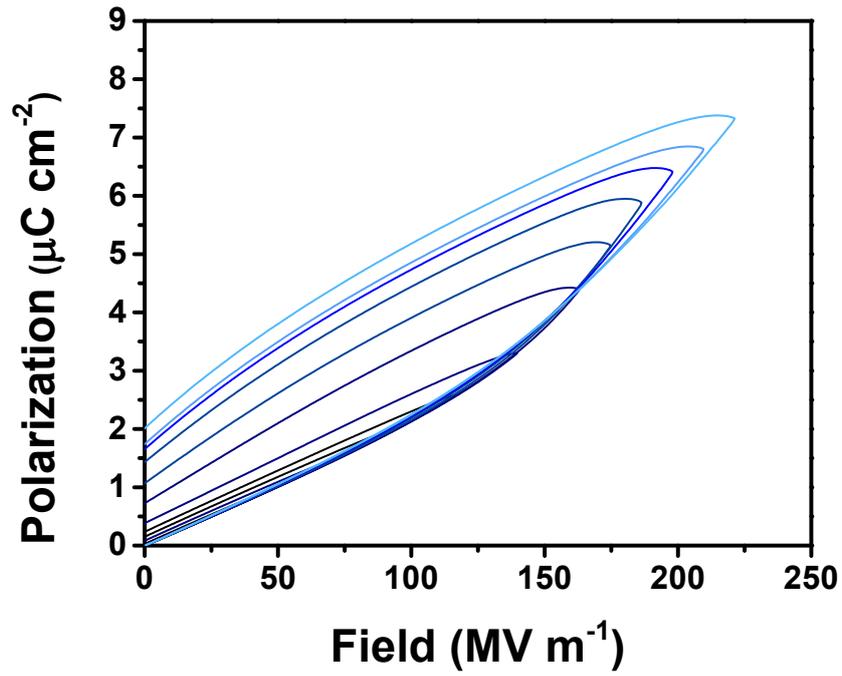


Figure S7. Unipolar Polarization – Electric Field loops of P(VDF-co-VA)

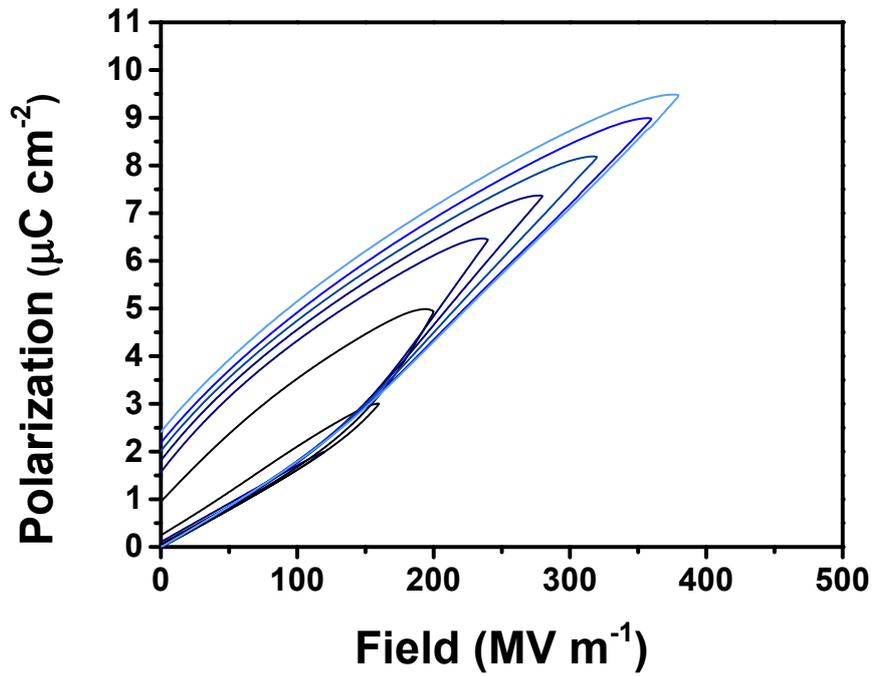


Figure S8. Unipolar Polarization – Electric Field loops of C05

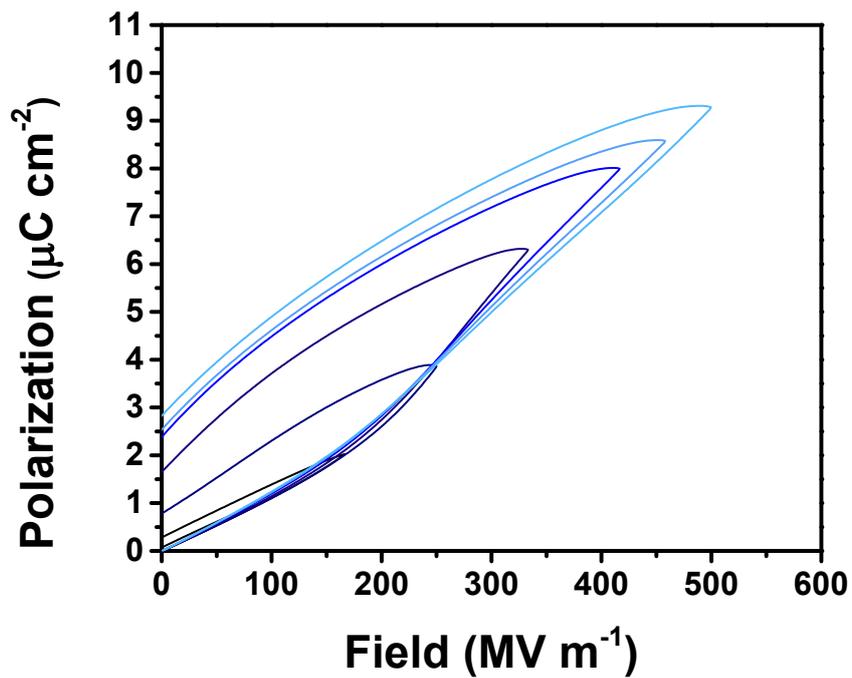


Figure S9. Unipolar Polarization – Electric Field loops of C1

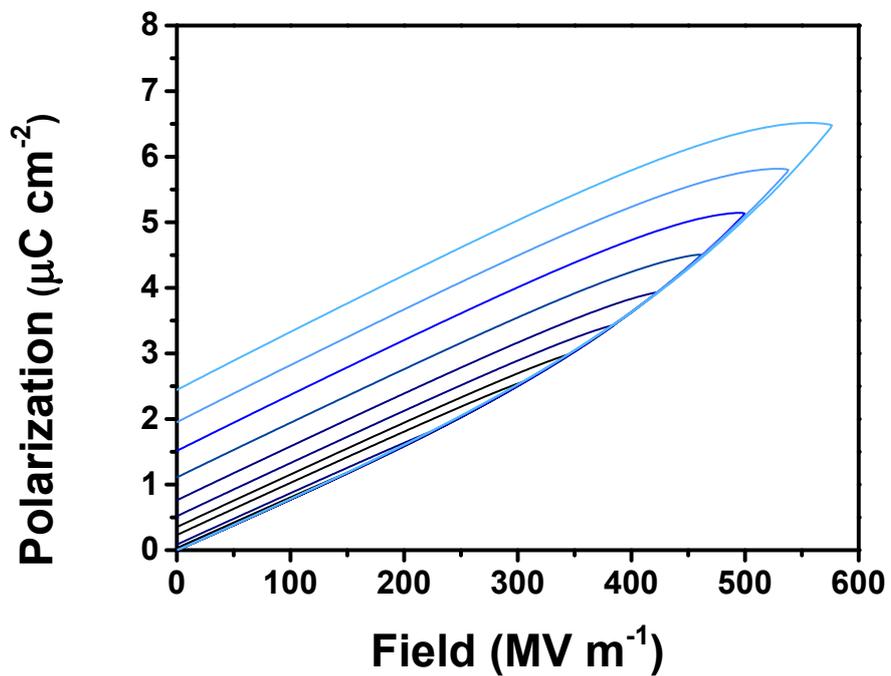


Figure S10. Unipolar Polarization – Electric Field loops of C20