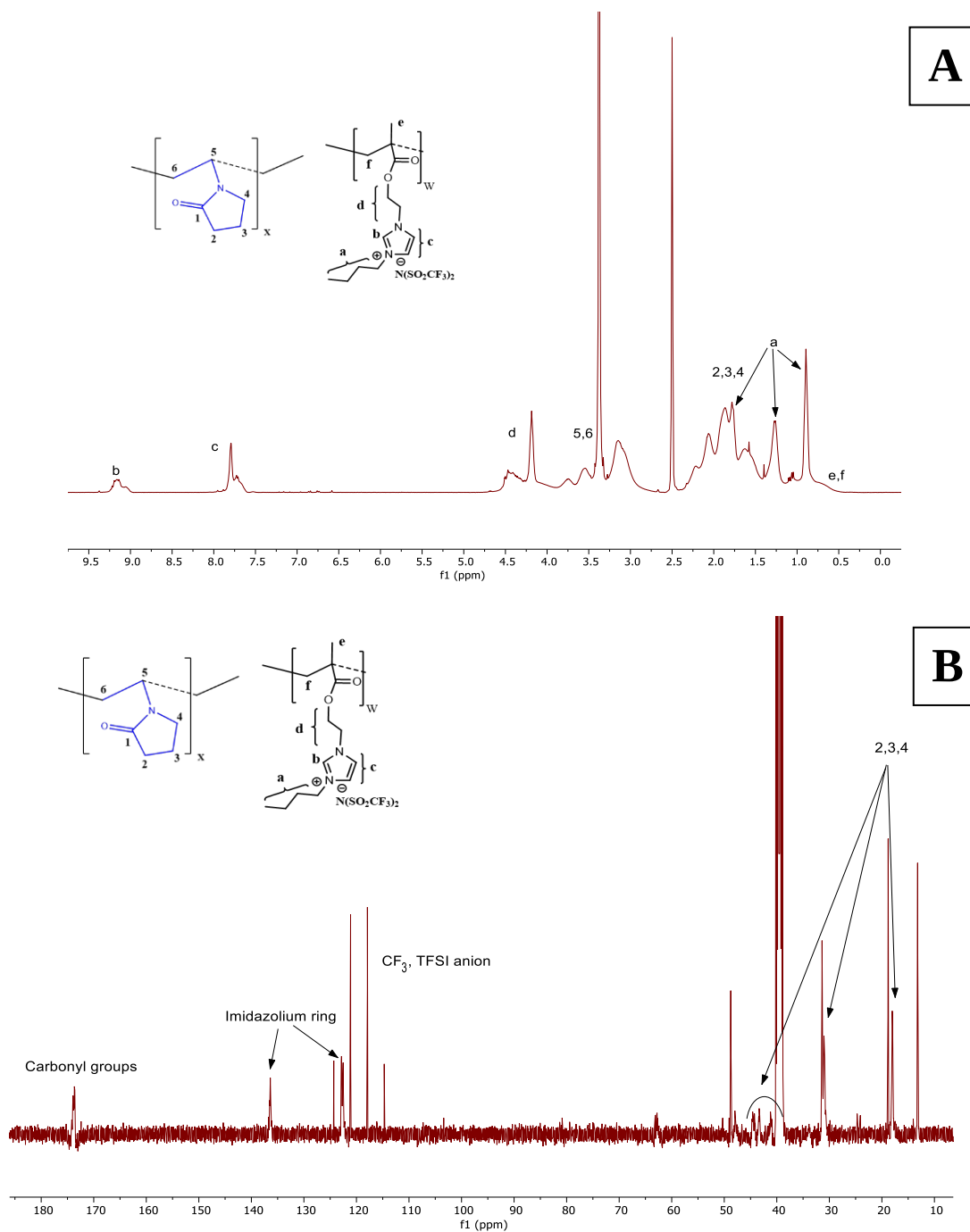


Chloroaluminate gel electrolytes prepared with copolymers based on imidazolium ionic liquids and deep eutectic solvent AlCl_3 :urea

Supplementary Materials

Figure S1. Characterization for $\text{P}(\text{VP}_{70}\text{-co-IMMA}_{30})$: A: NMR ^1H , B: NMR ^{13}C



A

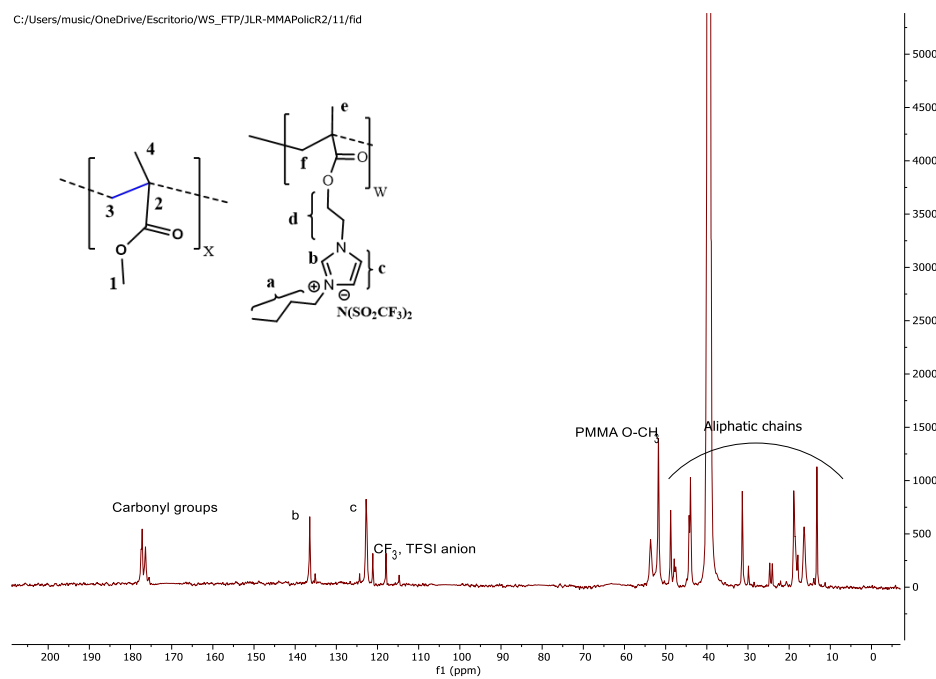


Figure S3. FTIR spectra of (left) neat Urea, PMMA, P(MMA₈₀-co-IMMA₂₀), PMMA/Urea and P(MMA₈₀-co-IMMA₂₀)/Urea; (right) neat Urea, PVP, P(VP₆₉-co-IMMA₃₁), PVP/Urea and P(VP₆₉-co-IMMA₃₁)/Urea.

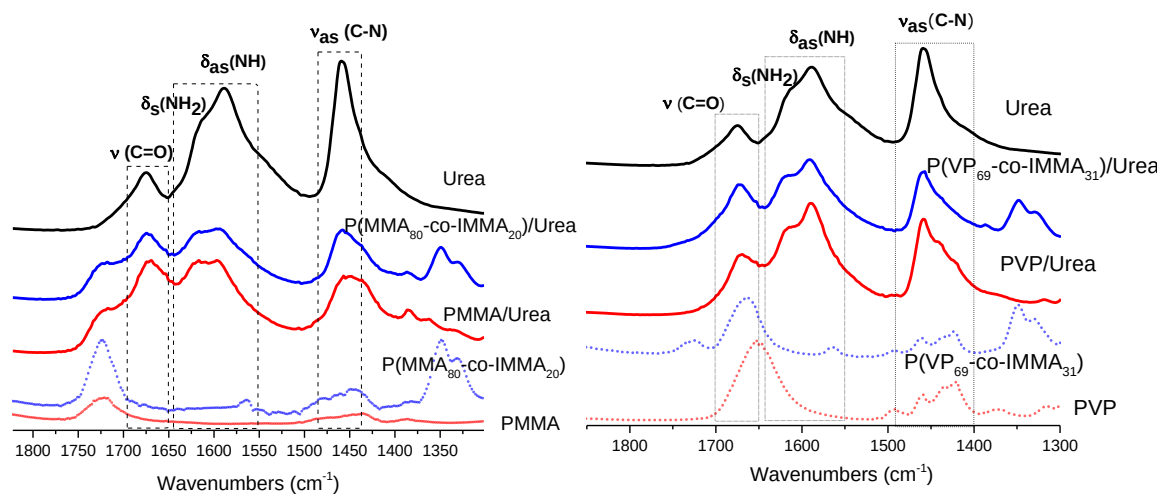


Figure S4. NMR ¹H of neat urea, PVP, P(VP₇₀-co-IMMA₃₀), PVP/Urea and P(VP₇₀-co-IMMA₃₀)/Urea.

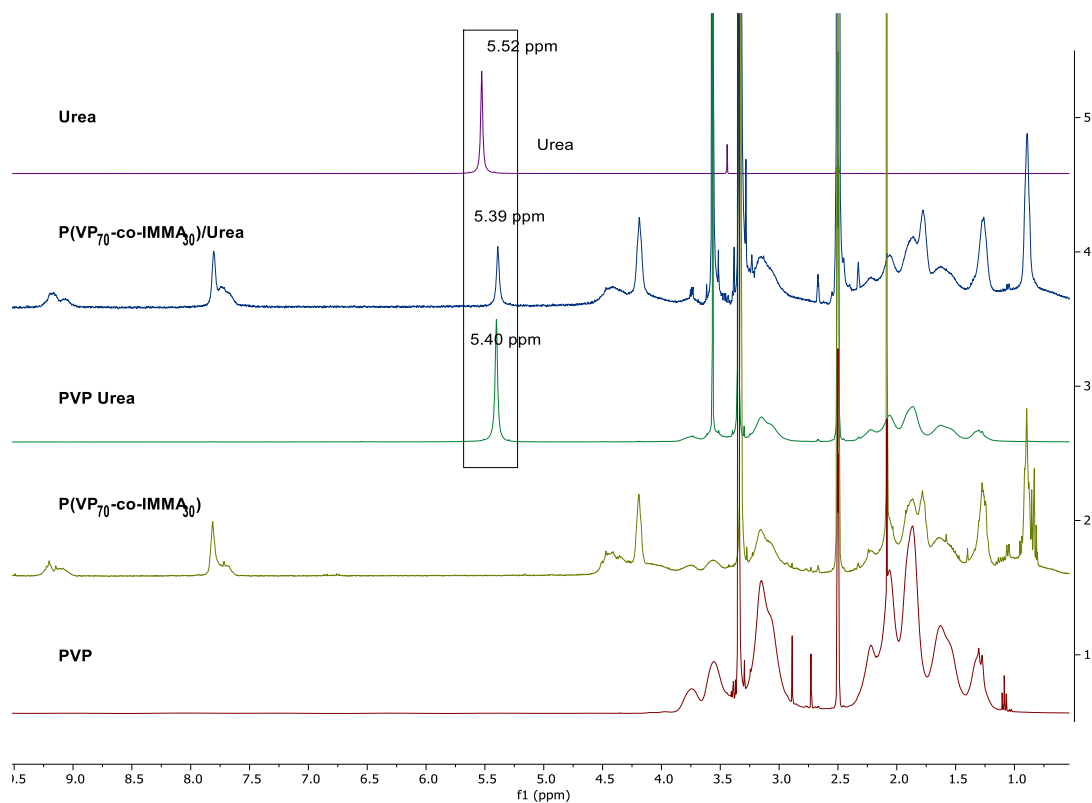


Figure S5. NMR ^1H of neat urea, PMMA, P(MMA₈₀-co-IMMA₂₀), PMMA/Urea and P(MMA₈₀-co-IMMA₂₀)/Urea.

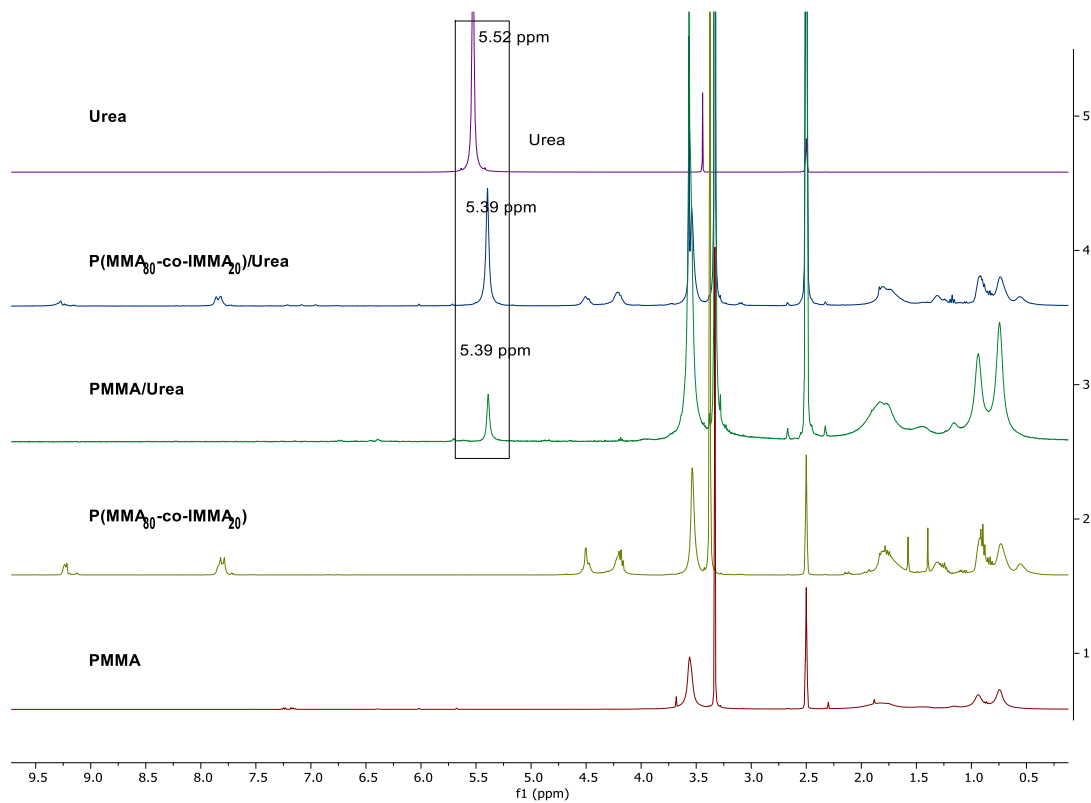


Figure S6. DSC thermograms of neat Urea, PMMA/Urea, P(MMA₈₀-co-IMMA₂₀)/Urea, PVP/Urea and P(VP₆₉-co-IMMA₃₁)/Urea.

