Transparent, Flexible, and Paramagnetic Ionogels based on PMMA and the Ionic Liquid 1-butyl-3-methylimidazolium tetrachloroferrate(III) [Bmim][$FeCl_4$]

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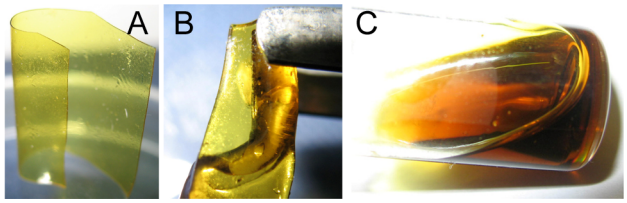
Supporting Information



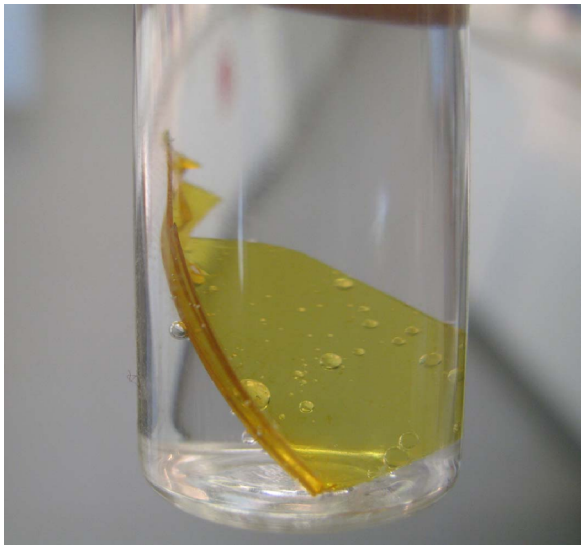


Figure S1. Color images of ionogels (top) and photo of ionogel with 35 % IL soaking after soaking in water for 2 days (bottom).

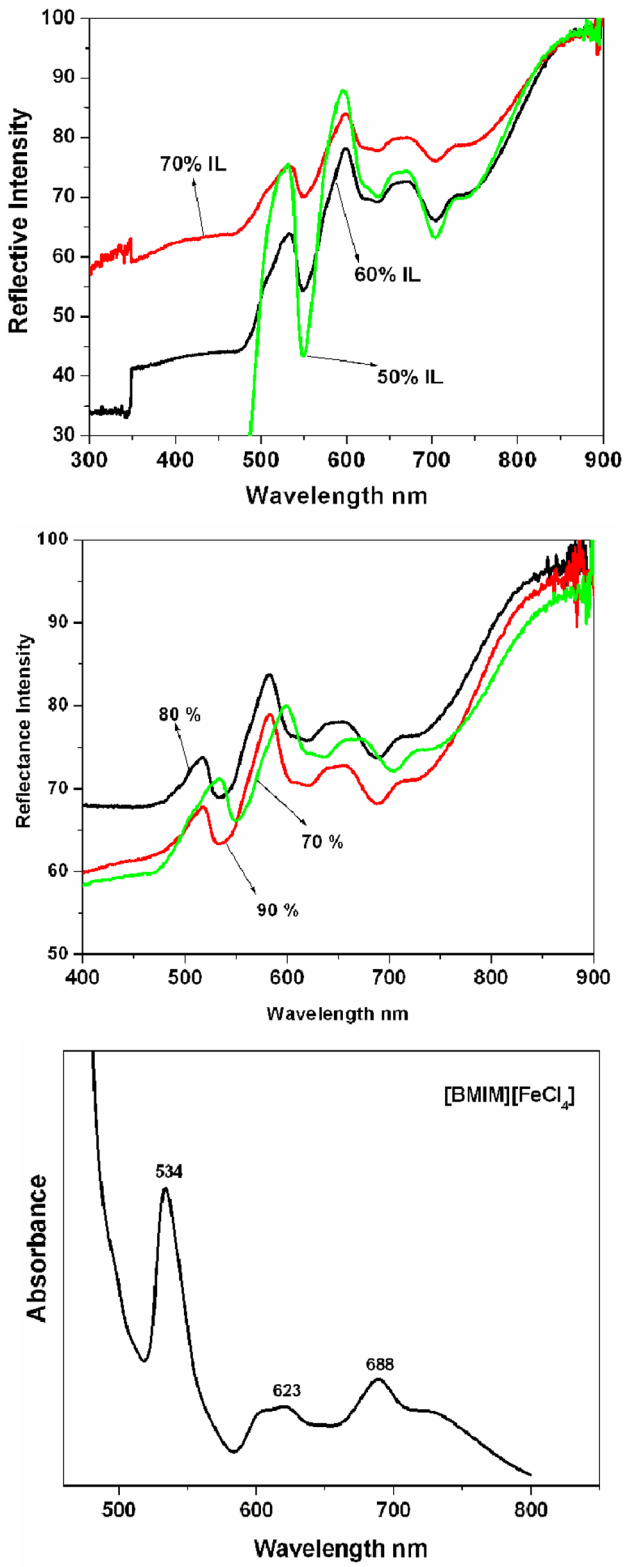


Figure S2. UV/Vis spectra of ionogels with different fractions of IL and spectrum of pure IL.

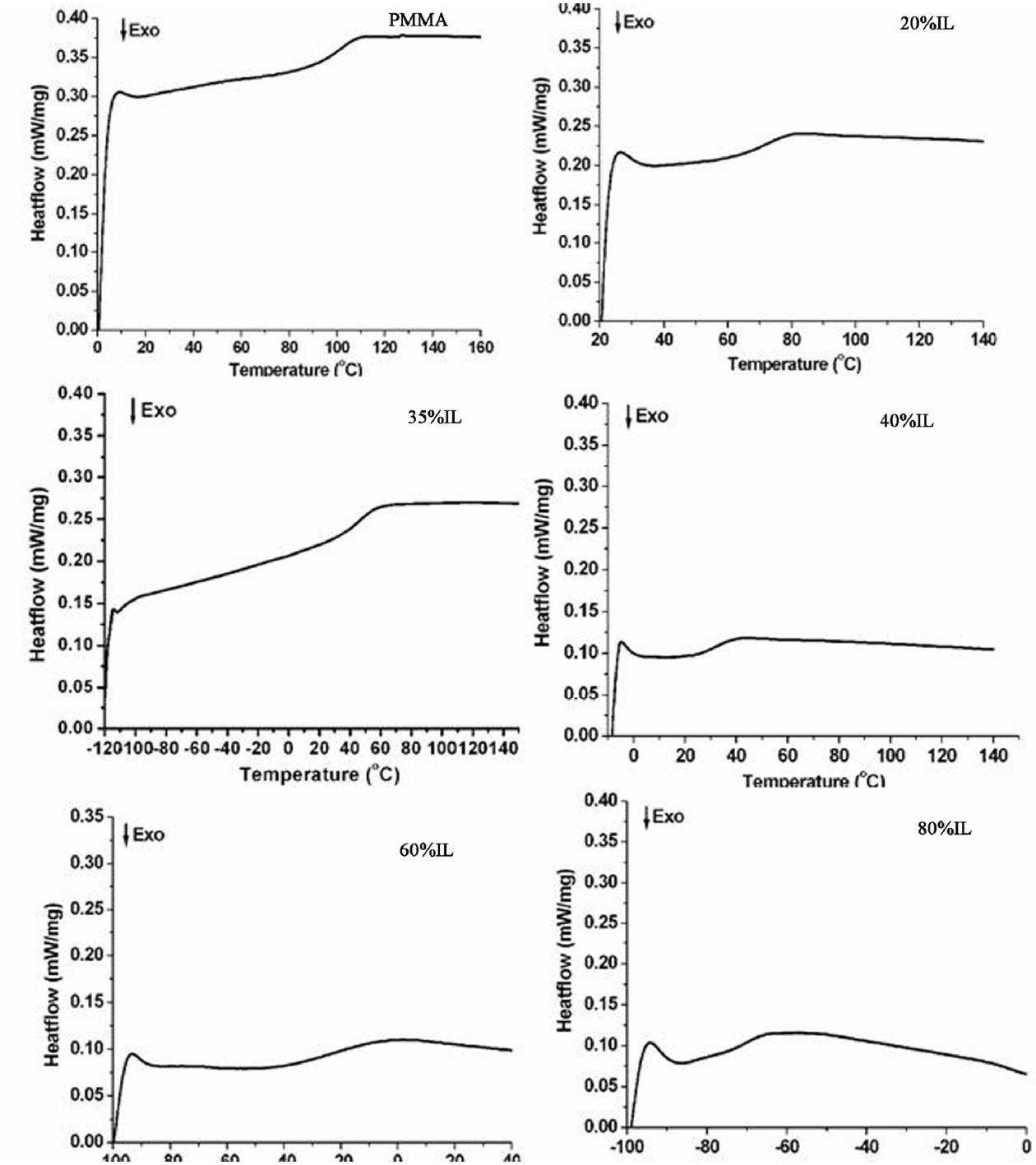


Figure S3. DSC traces of ionogels with different IL fractions. Heating rate is 10 °C min^{-1}.

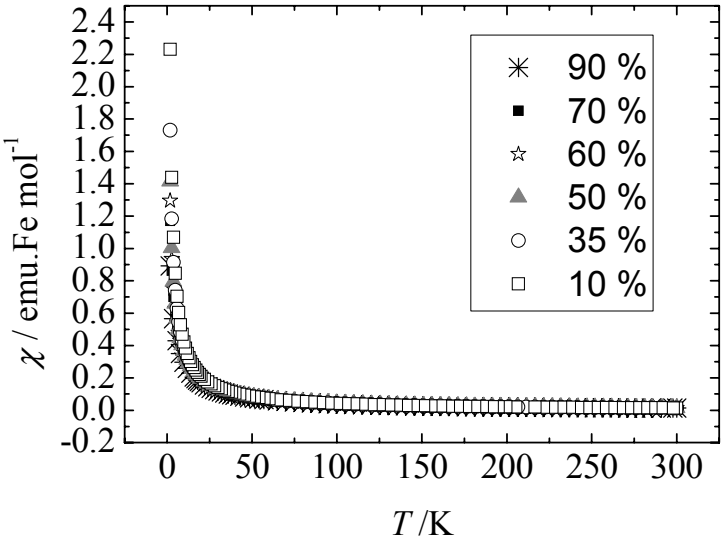


Figure S4. Temperature variation of the molar magnetic susceptibility of the IL in PMMA samples. Percentages correspond to the IL concentration in weight.

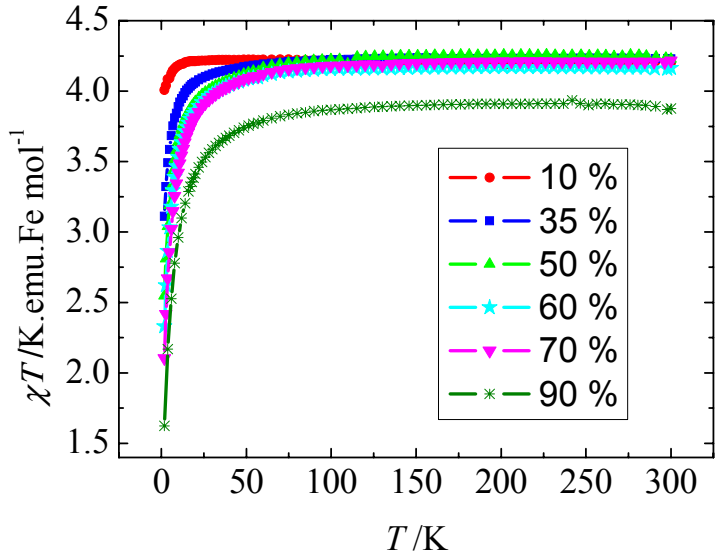


Figure S5. Temperature variation of the molar magnetic susceptibility of the IL in PMMA samples as χT product *vs* T plots. Percentages correspond to the IL concentration in weight.