Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Supporting Information

A shape-deformable and thermally-stable solid-state electrolyte based on plastic crystal composite polymer electrolyte for flexible/safer lithium-ion batteries

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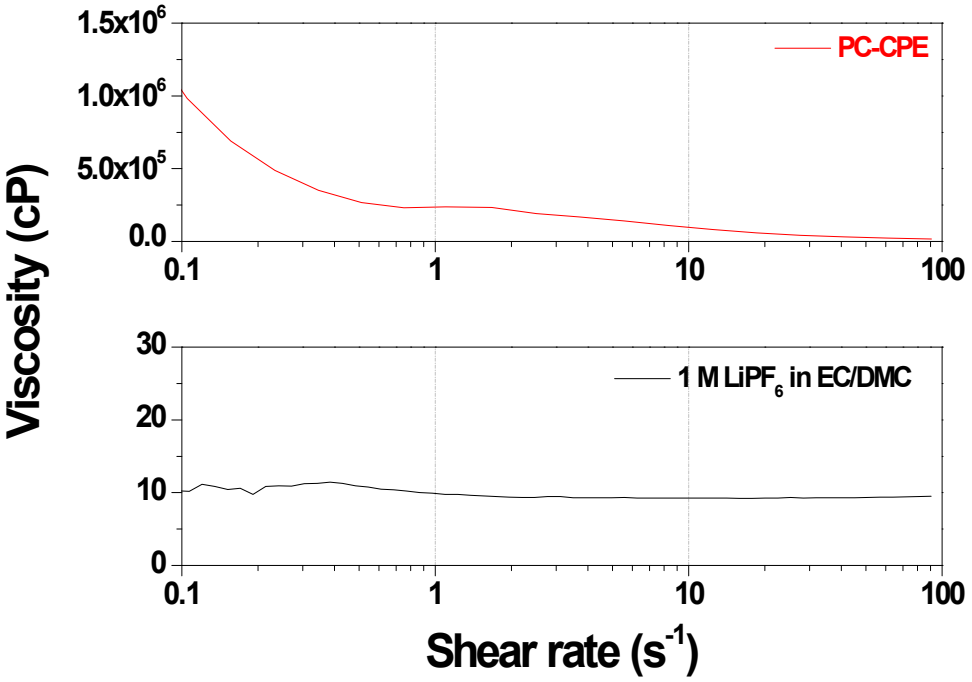
Figure S1. Rheological behavior of PC-CPE and carbonate-based liquid electrolyte (1M $LiPF_6$ in EC/DMC = 1/1 v/v), wherein viscosity is plotted as a function of shear rate.

Figure S2. Linear sweep voltammograms (LSV) of PC-CPE at a scan rate of 1.0 mV s^{-1}.

Figure S3. Variation in AC impedance spectra (1^{st} → 40^{th} cycle) of cells assembled with PC-CPE.

Figure S4. Variation in AC impedance spectra of cells assembled with PC-CPE after exposure to thermal shock (= 130 ^{o}C/0.5 h).



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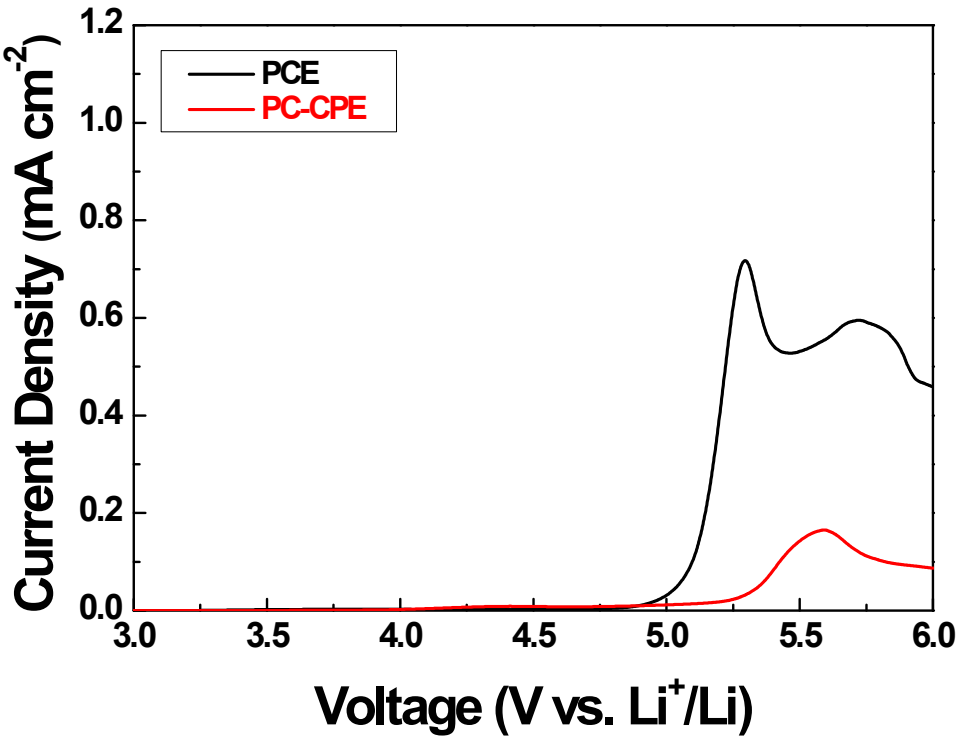

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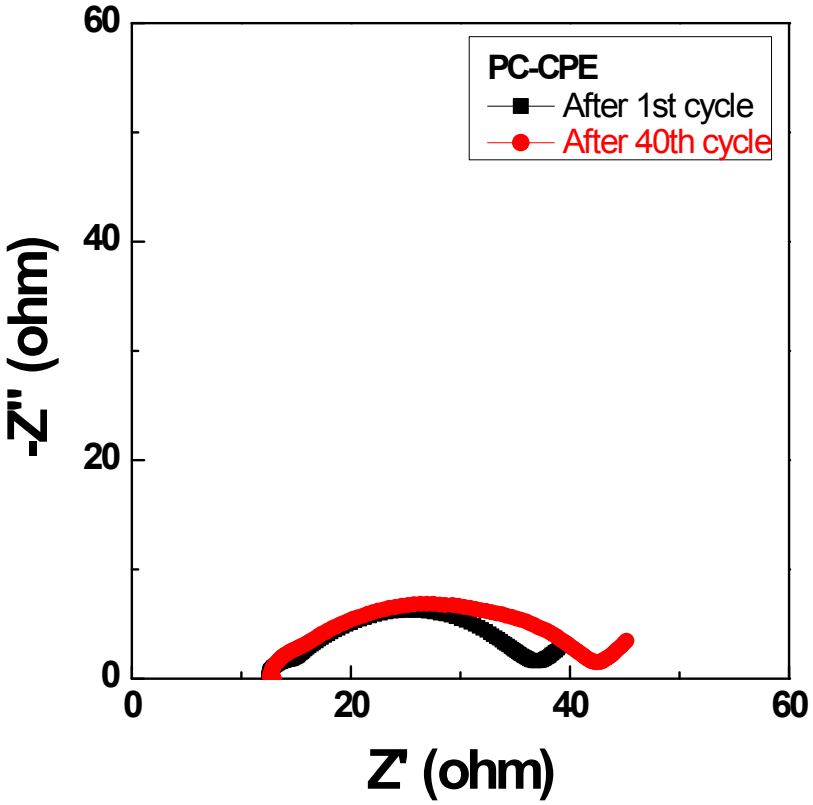

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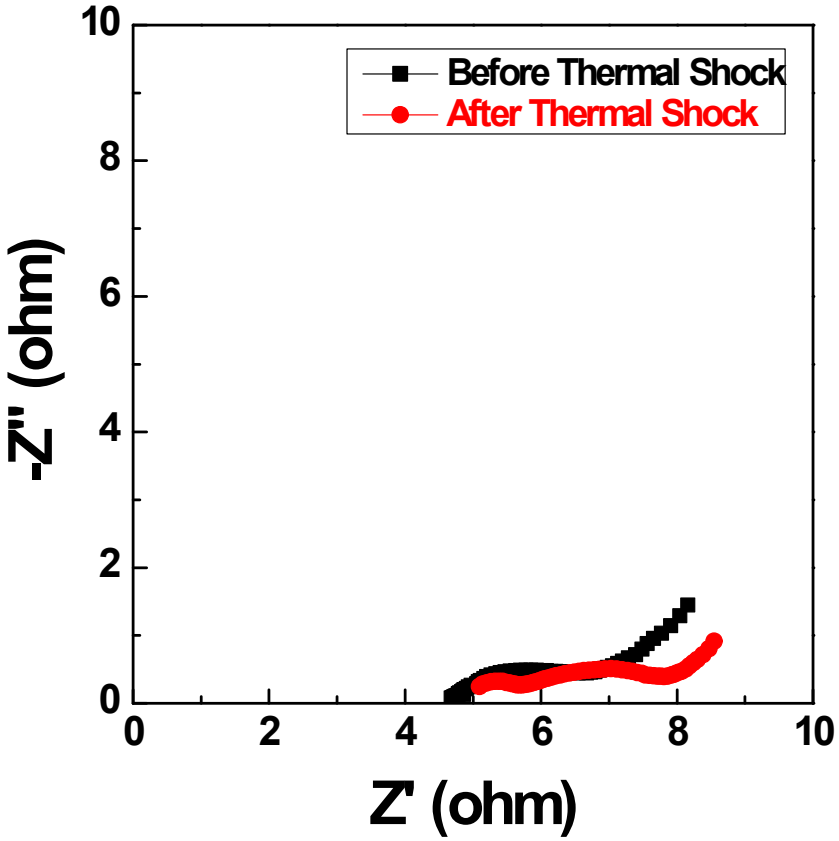

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