

Supporting Information

Fingerprint of semi-crystalline structure memory in the thermal and ionic conduction properties of amorphous ureasil-polyether hybrid solid electrolytes

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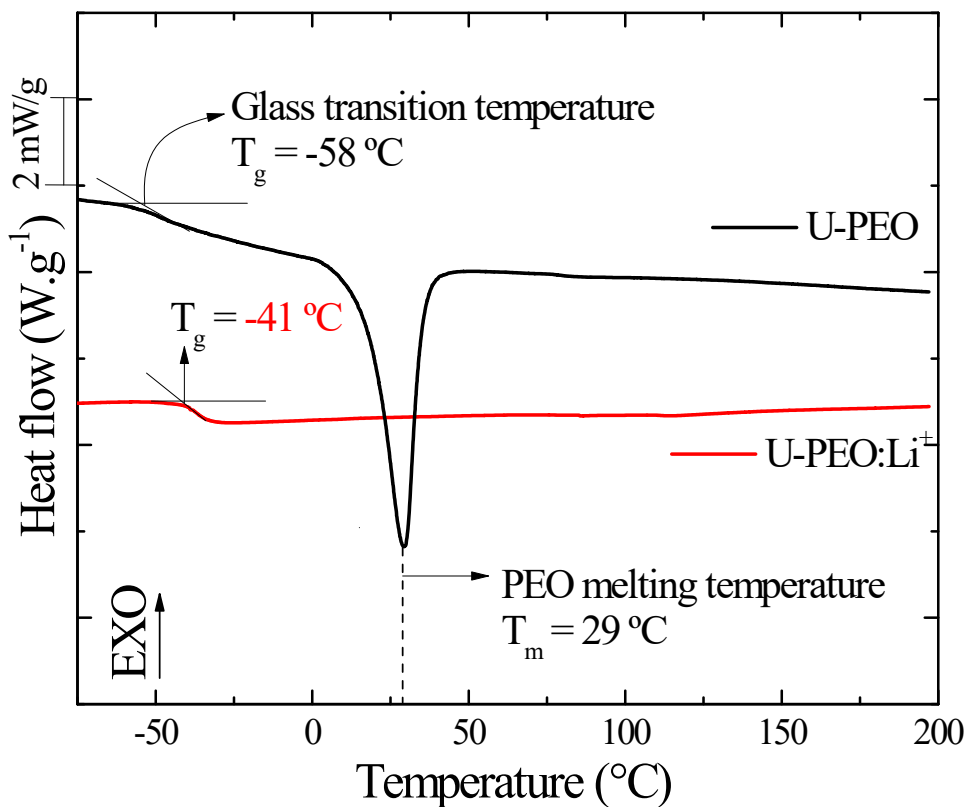


Figure SI.1: DSC curves of U-PEO and of U-PEO: Li^+ samples.

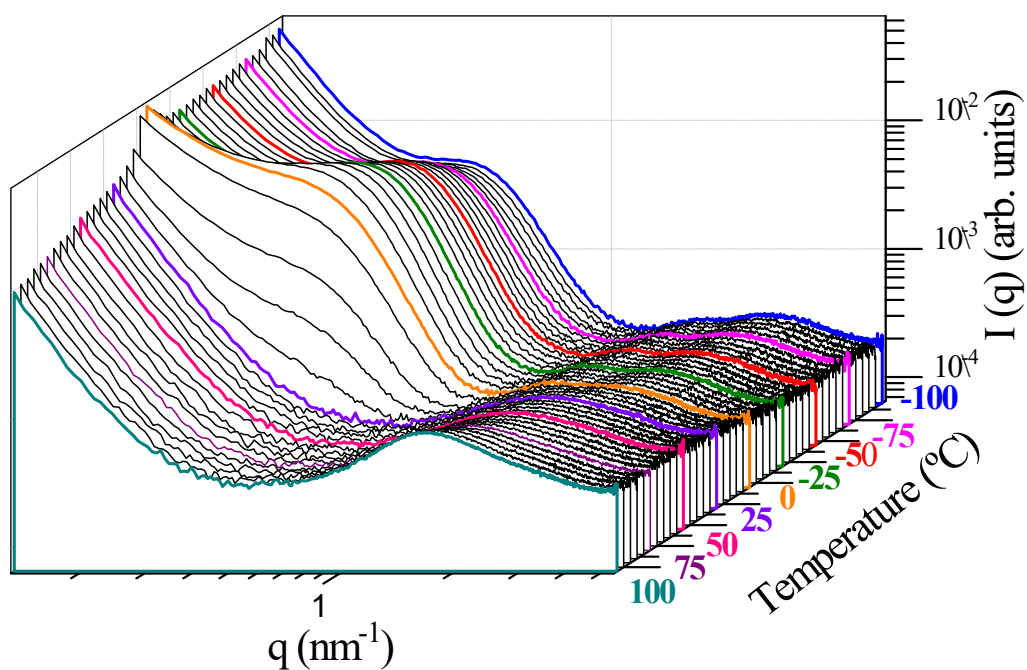


Figure SI.2: Stacked log-log SAXS curves for U-PEO, as a function of temperature, recorded in situ during heating from 100 $^\circ\text{C}$ to -100 $^\circ\text{C}$.

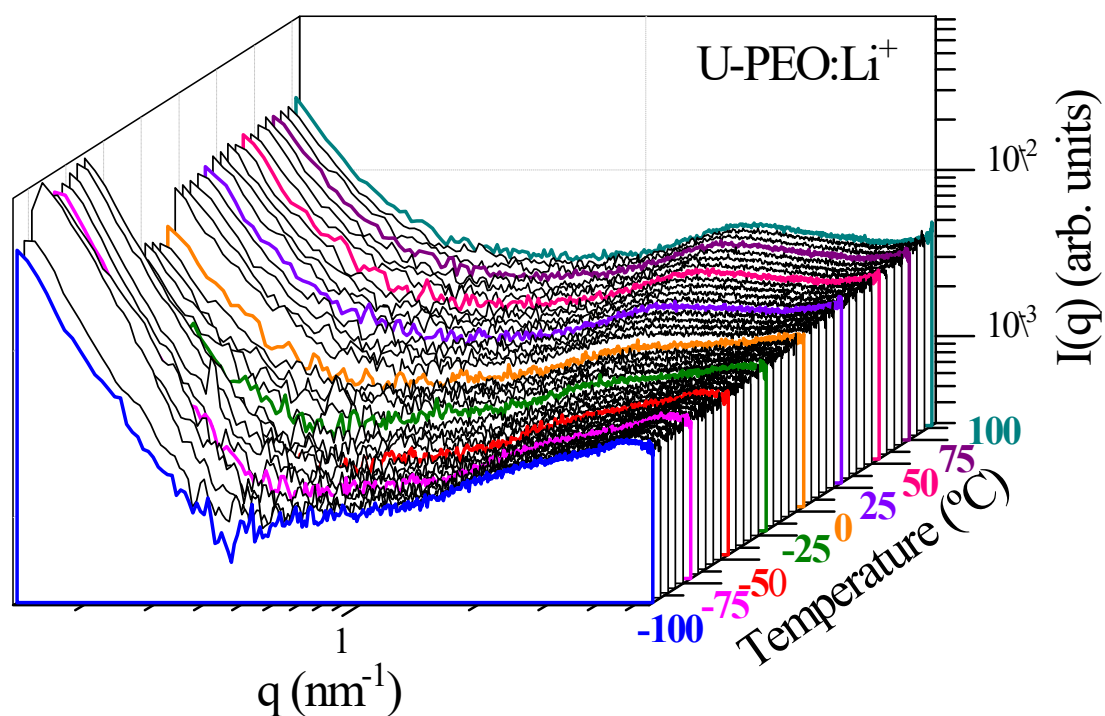


Figure SI.3: Stacked log-log SAXS curves for U-PEO:Li⁺, as a function of temperature, recorded *in situ* during heating from -100 °C to 100 °C.

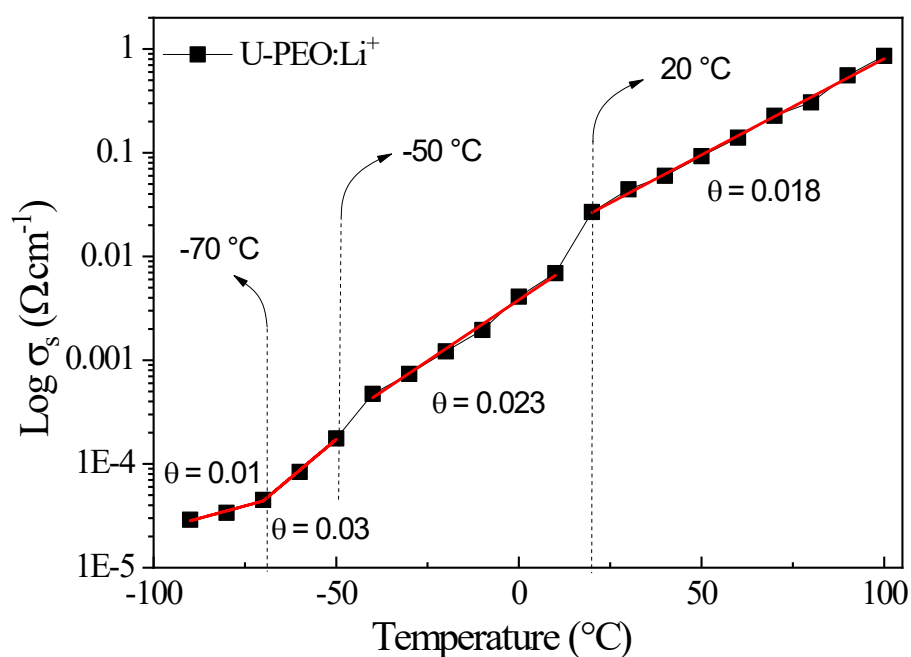


Figure SI.4: Logarithmic dependency of conductivity with temperature of the U-PEO:Li⁺.