

SUPPORTING INFORMATION

Tuning and switching hypersonic phononic properties of impedance-contrast nanocomposites

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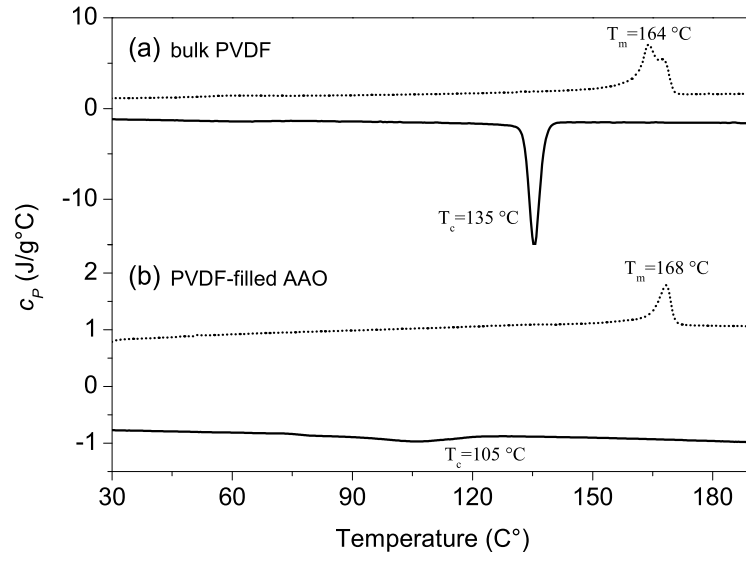


Figure S 1: DSC scans of (a) bulk PVDF and (b) PVDF nanostructures in AAO (pore diameter 60 nm). Dotted curves are heating runs, solid curves cooling runs. The heating and cooling rates were 10 K/min, respectively.

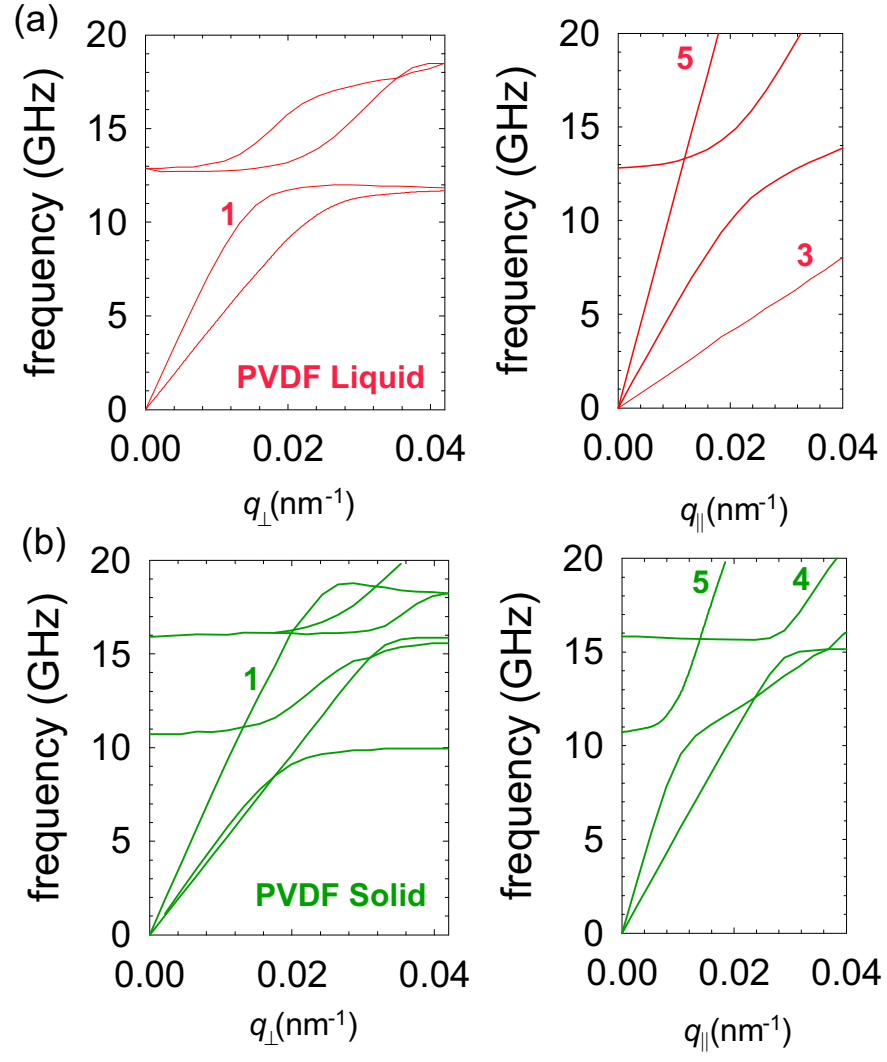


Figure S 2: Complete theoretical phononic dispersion relations for the in-plane and the out-of-plane propagation in (a) liquid and (b) solid PVDF-filled AAO.