

Ion Conductive Properties in Ionic Liquid Crystal Confined in Porous Membrane

Y. Uchida,^{a,b} T. Matsumoto,^a T. Akita^a and N. Nishiyama^a

Supporting Information

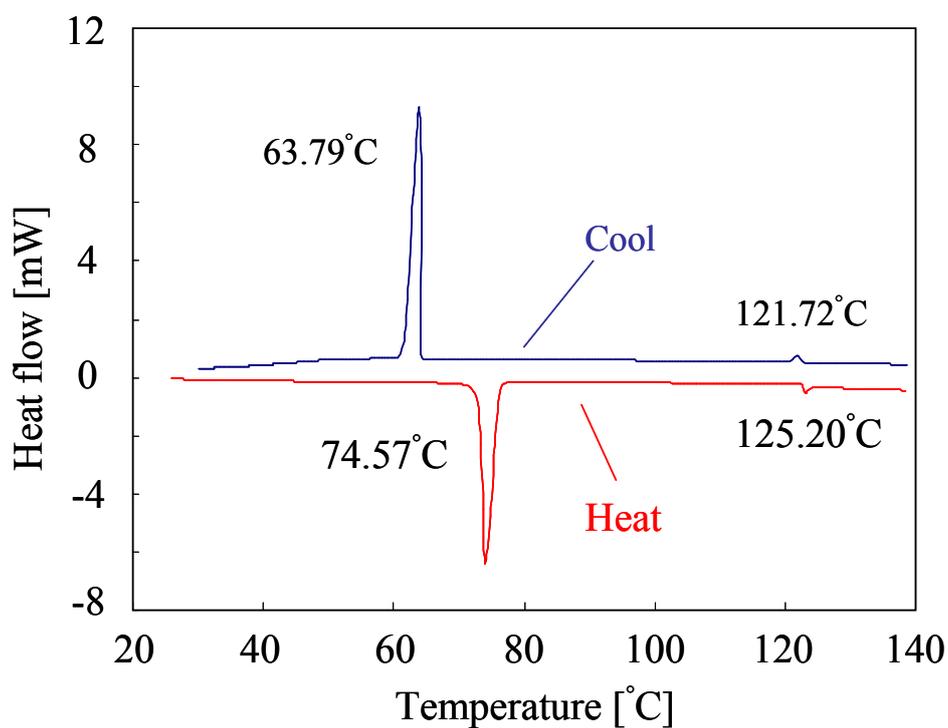


Fig. S1 DSC curves observed on heating and cooling runs for bulk [C₁₆mim][PF₆]. Heating and cooling rates were 5°C min⁻¹.

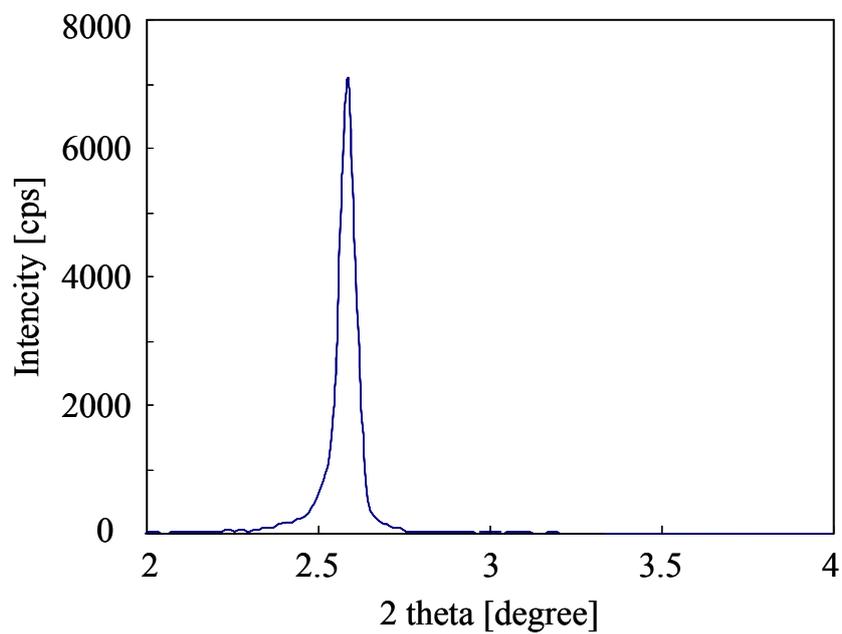


Fig. S2 XRD pattern for bulk $[C_{16}mim][PF_6]$ at 90 °C.

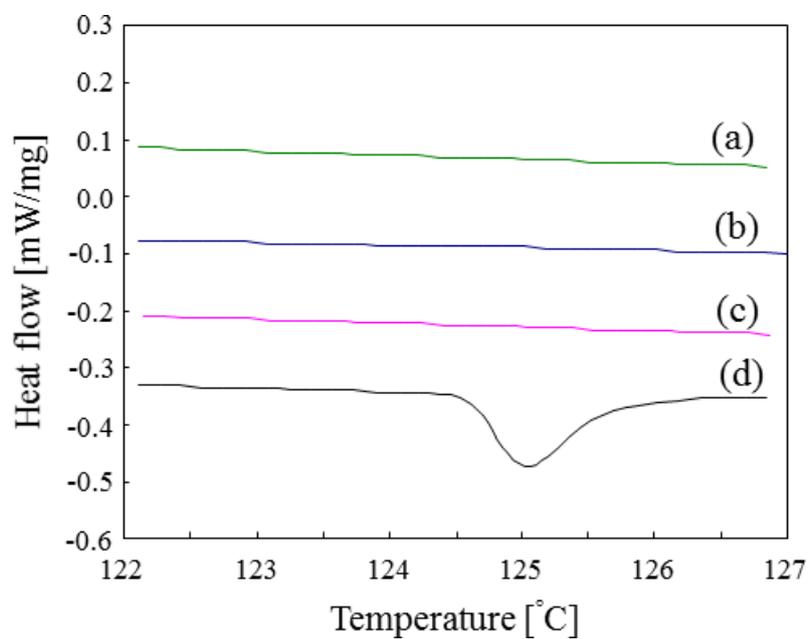


Fig. S3 DSC curves in the heating run for $[C_{16}mim][PF_6]$ confined in pores aligned (a) homogeneously (b) naturally and (c) homeotropically, and for (d) bulk $[C_{16}mim][PF_6]$.

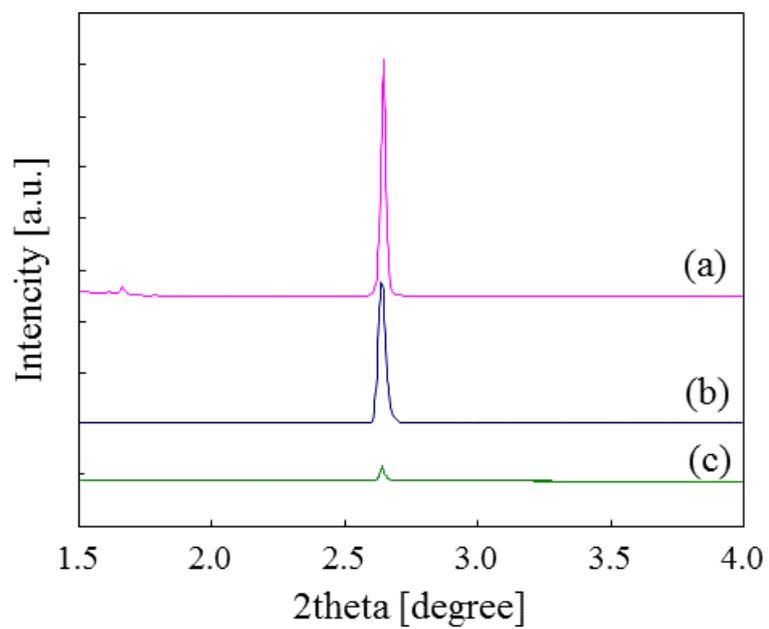


Fig. S4 XRD patterns for $[C_{16}mim][PF_6]$ confined in the pores with (a) homogeneously (b) naturally (c) homeotropically alignment walls.