

Supporting information for

Transition of iPB-1 with low molecular weight deposited from solution

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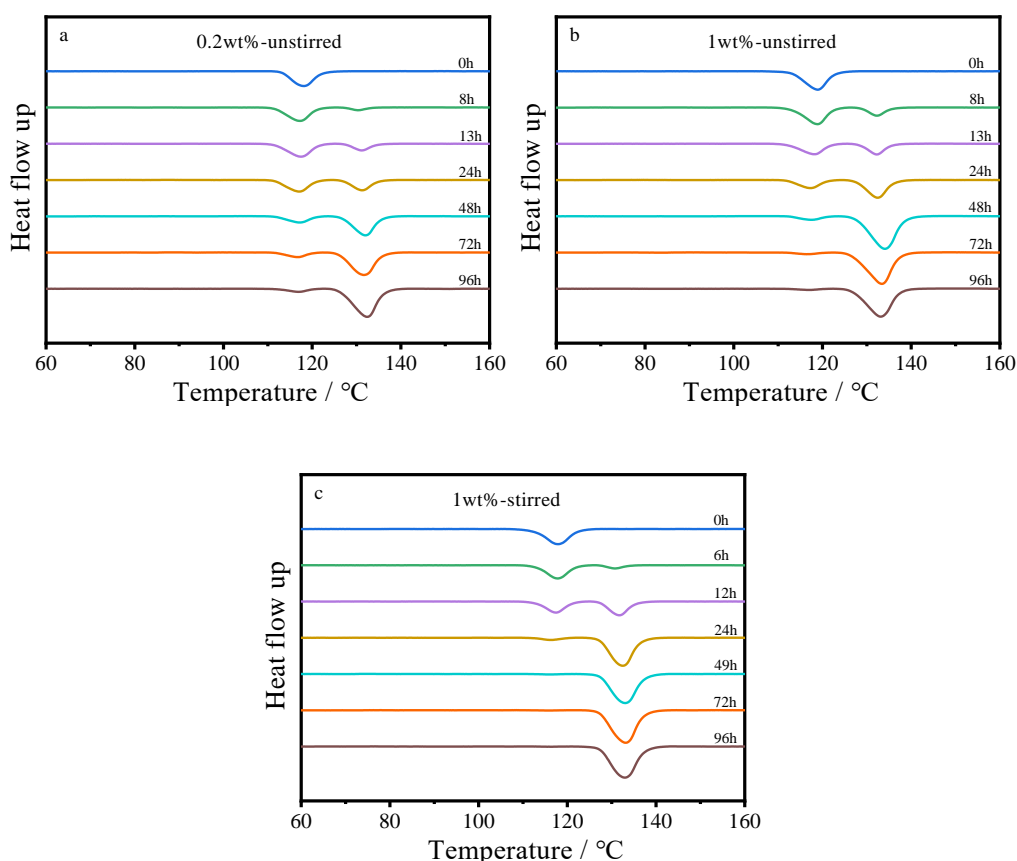
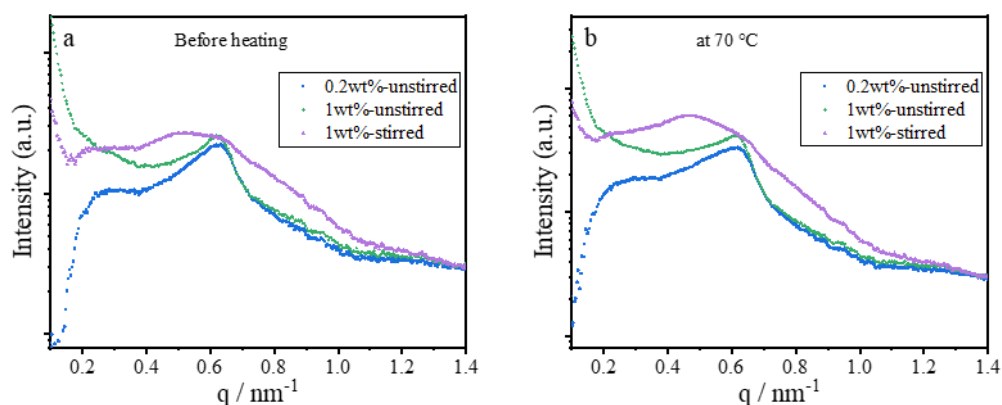


Figure S1. DSC heating curves of the solution deposited F1400 samples (a) 0.2wt%-unstirred, (b) 1wt%-unstirred and (c) 1wt%-stirred after heat treatment and annealed for different time

X-ray measurements

The in-situ simultaneous small angle and wide angle X-ray scattering (SAXS / WAXS) measurements were performed during heating and cooling the F1400 samples at the beamline BL16B1 of the Shanghai Synchrotron Radiation Facility (SSRF, $\lambda = 0.124$ nm). The sample-to-detector distances were 2198 mm (SAXS) and 179 mm (WAXS). The exposure time was 5.9 s, the pixel size was 1475×1679 , and the size of each pixel dot was 172×172 μm . The recorded data was background-corrected and integrated by using Fit2D software.



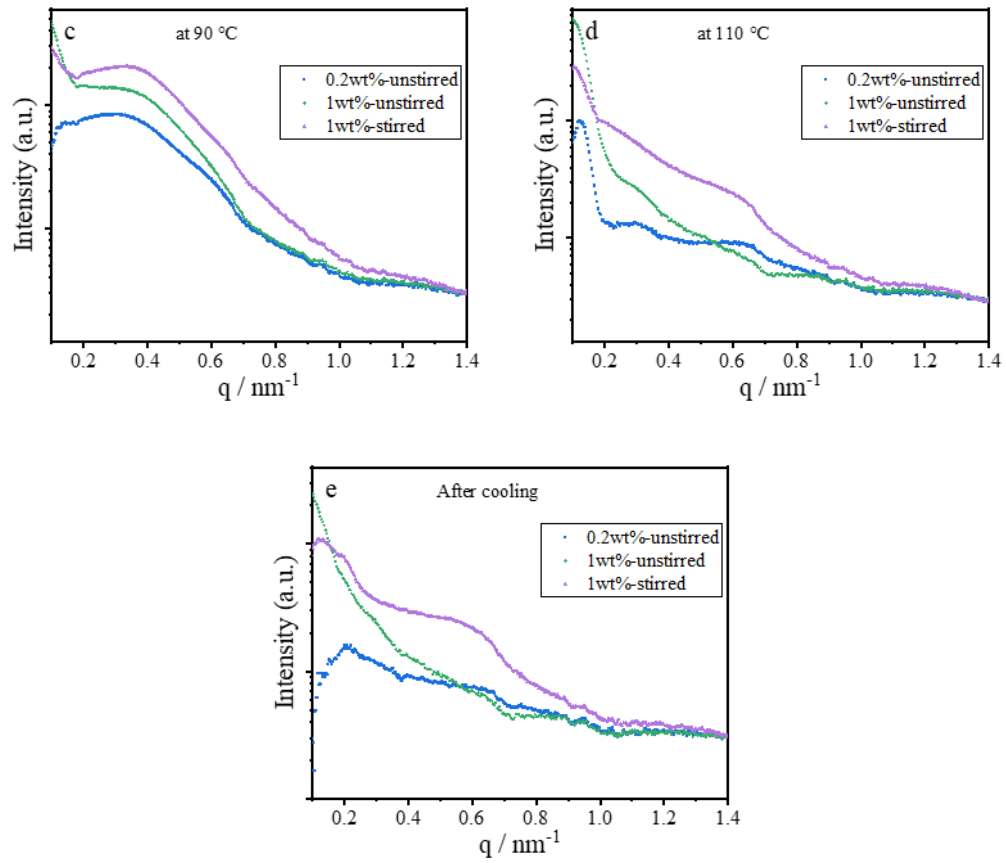
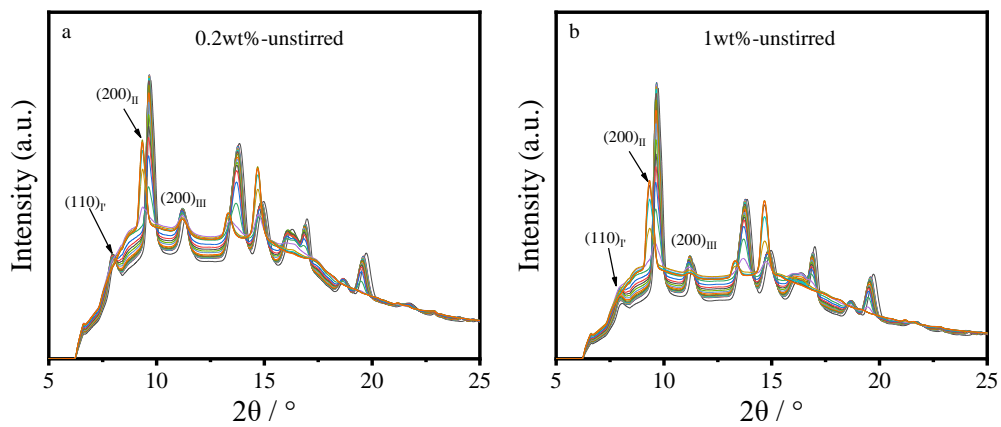


Figure S2. Selected SAXS profiles of the solution deposited F1400 samples during heating and after cooling to room temperature for the transition



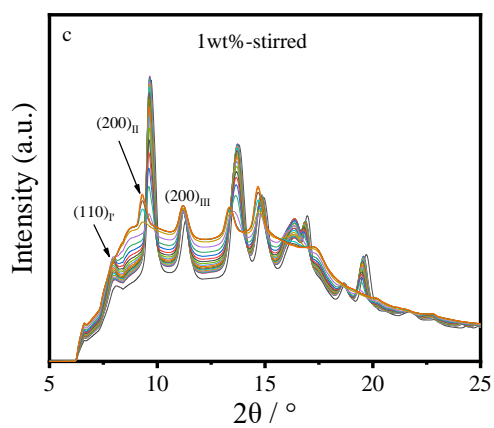


Figure S3. WAXS profiles during heating of (a) 0.2wt%-unstirred; (b) 1wt%-unstirred and (c) 1wt%-stirred