

Pre-drawing induced evolution of phase, microstructure and property in  
para-aramid fibres containing benzimidazole moiety

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Two-dimensional Wide angle X-ray diffraction (2D-WAXD) patterns of the fibers were collected on a Bruker D8 Discover with VÅNTEC-500 dectectors with patented Mikrogap. One-dimensional Wide angle X-ray diffraction (1D-WAXD) analysis of PBIA fibers was carried out on a Philips X'Pert PRO MPD. X-ray diffraction measurements were taken from the reflection mode at room temperature, using Ni-filtered Cu K $\alpha$  radiation operated at 40 KV X 40 mA.

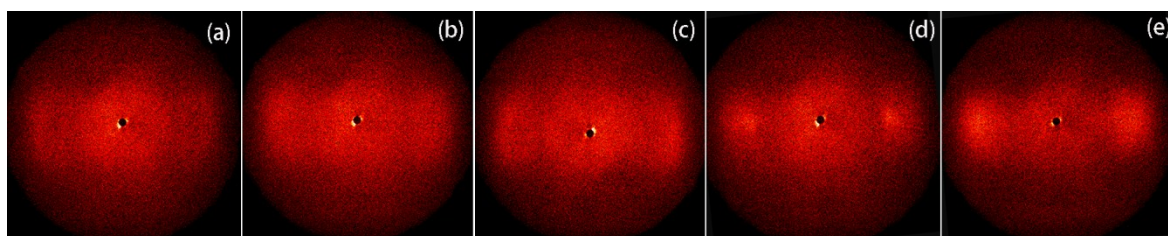


Figure S1 The 2D-WAXD patterns of as-spun fibers: (a) PBIA-0; (b) PBIA-25; (c) PBIA-50; (d) PBIA-75; (e) PBIA-100.

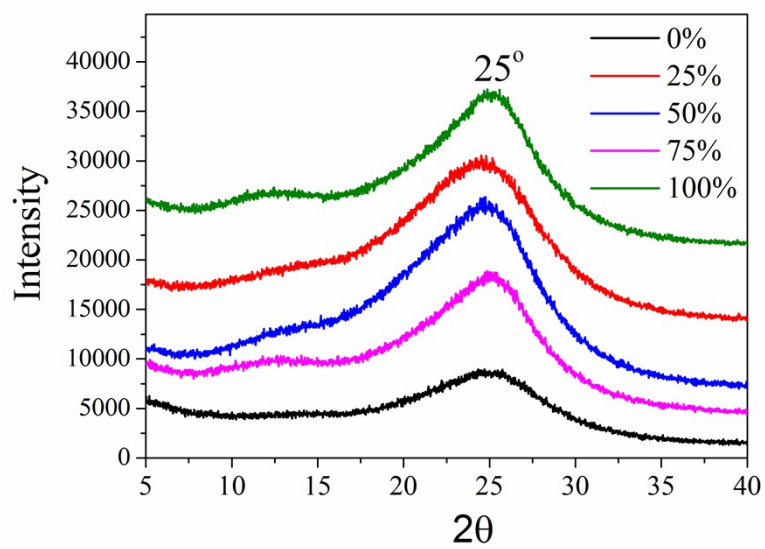


Figure S2 The WAXD curves of as-spun fibers