

Supplementary Material for

**Structural evolution and dielectric properties of biaxially oriented polyethylene /
multiwalled carbon nanotube composite films**

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Cross-section SEM of the BOPE/MWCNT composite films

By observing the composite films cross-section through SEM (Fig. S1), not only the aggregated cluster ends of MWCNTs but also the lateral morphology of MWCNTs could be observed, indicating that the MWCNTs were randomly oriented in the BOPE matrix after simultaneous biaxial stretching.

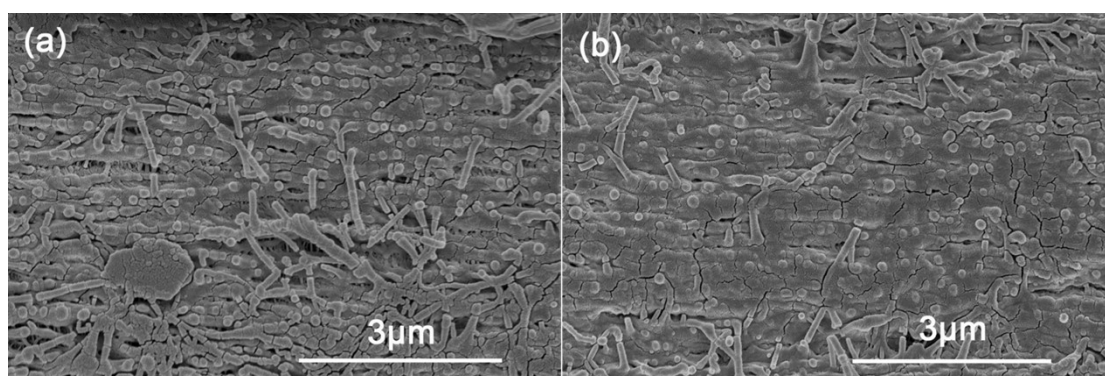


Fig. S1. Cross-section SEM images for BOPE/MWCNT composite films with different MWCNTs content at drawing ratio was 5×5: (a) S-0.6-5; (b) S-0.4-5.