

Supplementary Material

Optimizing dielectric constant of shell layer in core-shell structures for enhanced energy density of polymer nanocomposites

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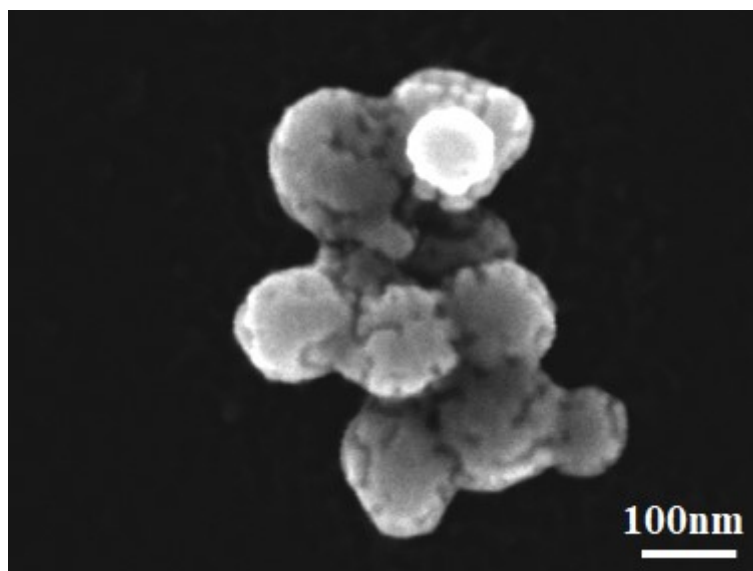


Figure S1 SEM image of neat BT nanoparticles

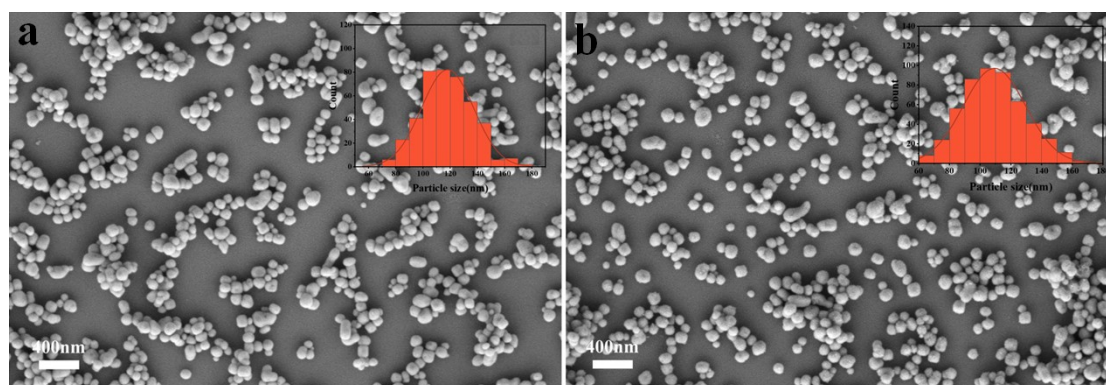


Figure S2. SEM images and size distribution of BaTiO₃ nanoparticles before (a) and after modification (b) with PF30.

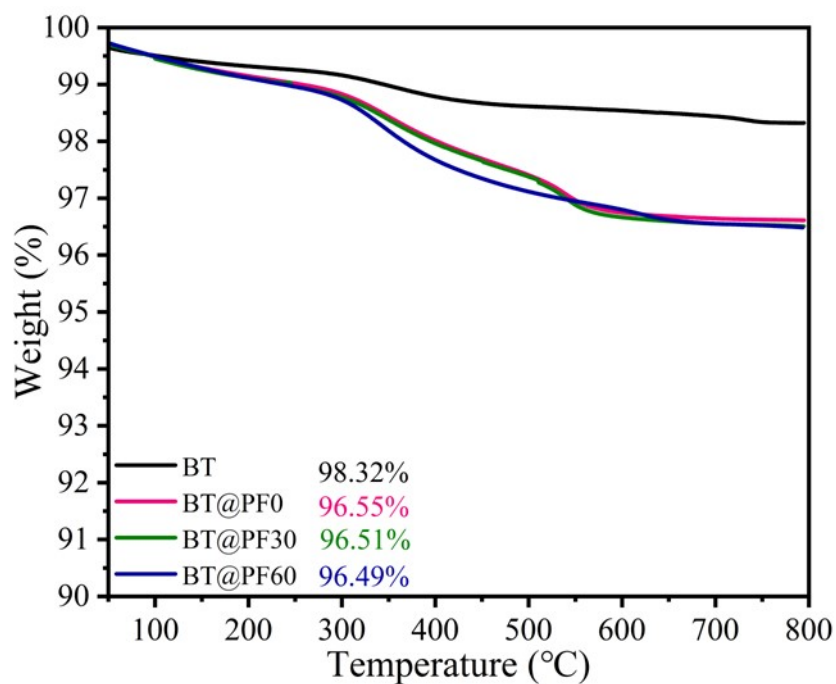


Figure S3 TGA curves of BT nanoparticles with and without the treatments of various fluoropolymers

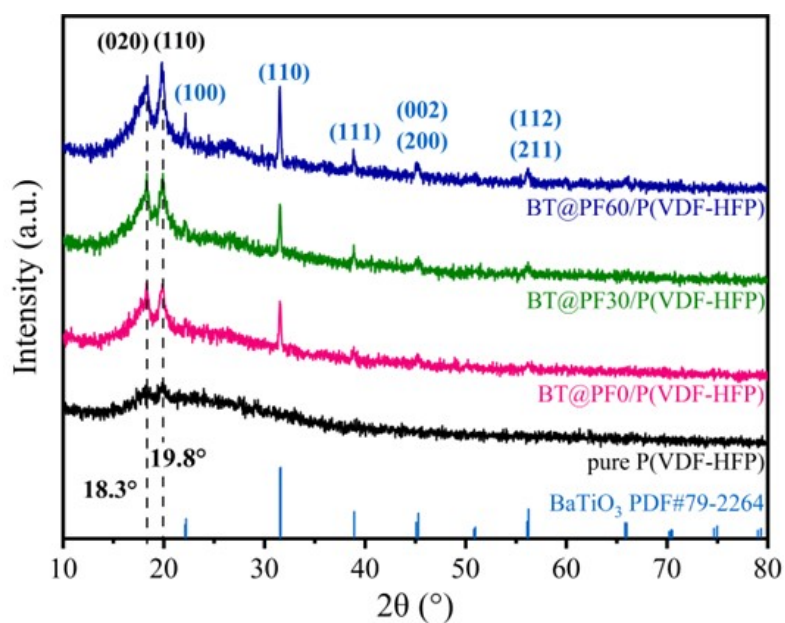


Figure S4 XRD patterns of P(VDF-HFP) with and without adding BT@PF nanoparticles

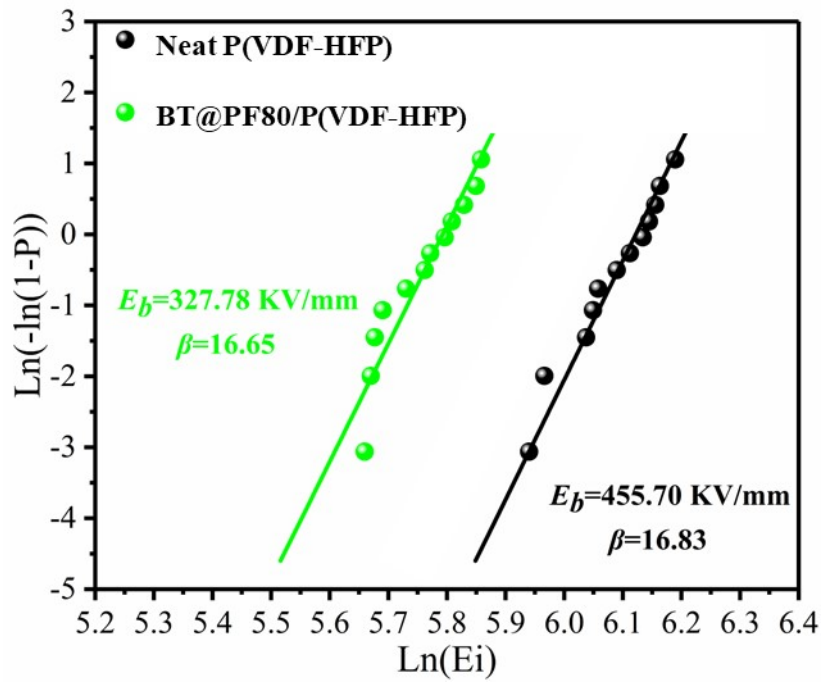


Figure S5 Breakdown strength of BT@PF80/P(VDF-HFP) and neat P(VDF-HFP)