

Supplementary information

Physical Properties and Polymorphism of Acrylic Acid-Grafted Poly(1,4-butylene adipate-co-terephthalate)/Organically Modified Layered Double Hydroxide Nanocomposites

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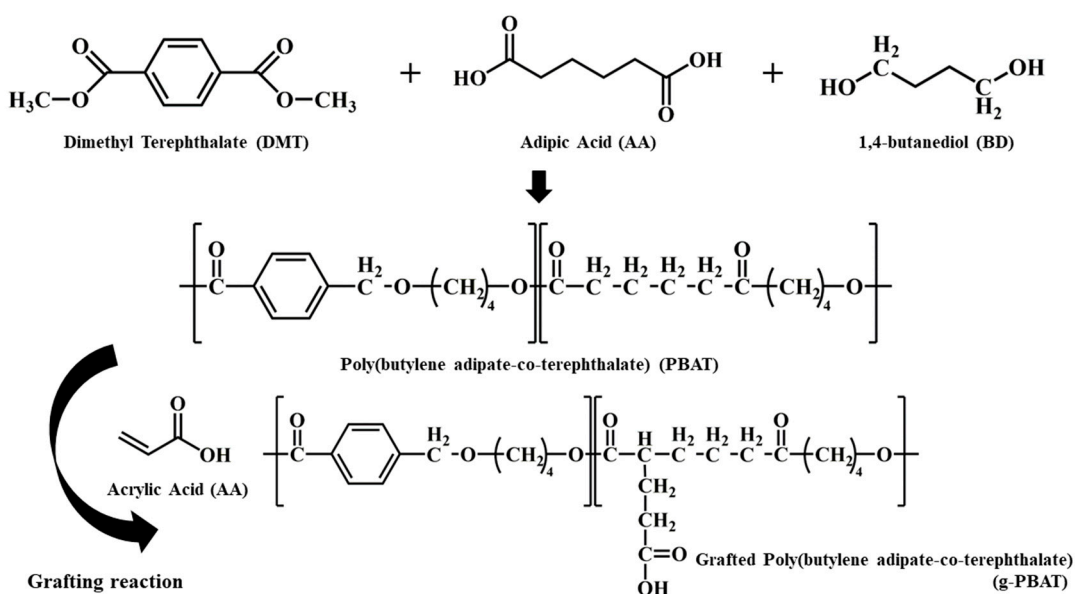


Figure S1: The synthesis procedure of g-PBAT.

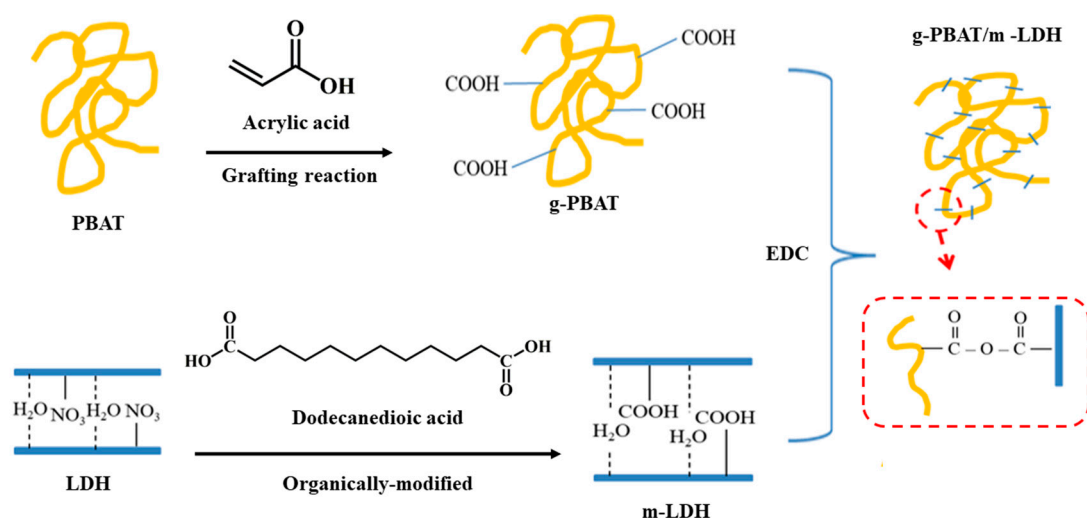


Figure S2: The synthesis procedure of g-PBAT/m-LDH nanocomposites.

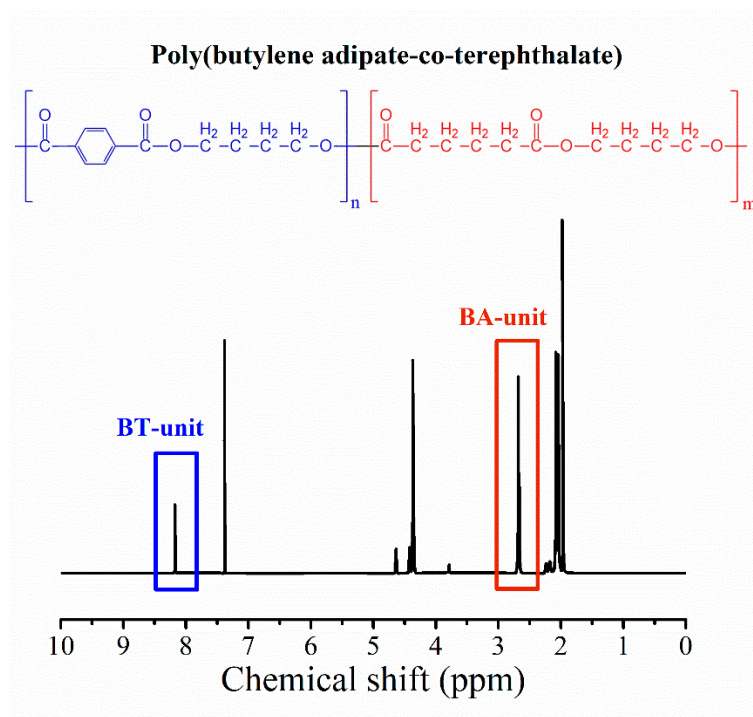


Figure S3: ^1H -NMR spectrum of the PBAT-90 copolymer.

The detailed procedure of crystal form determination is listed as following: The diffraction peaks of PBT should be observed at $2\theta = 16.3^\circ$, 17.4° , 20.6° , 23.3° , and 25.3° . No diffraction peaks were observed at $2\theta = 20.6^\circ$, 23.3° , and 25.3° as shown in Figure 1a. The diffraction peaks observed in Figure 1a were at $2\theta = 21.8^\circ$, 22.5° and 24.1° , which were attributed to β -crystal of PBA.