

Electronic Supplementary Information

**Synthesis of Well-defined PCL-*b*-PnBA-*b*-PMMA ABC-Type
Triblock Copolymers: Toward the Construction of
Nanostructures in Epoxy Thermosets**

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Chiang, Shih-Hung Huang, Shiao-Wei Kuo and Tao Chen

Captions of ESI

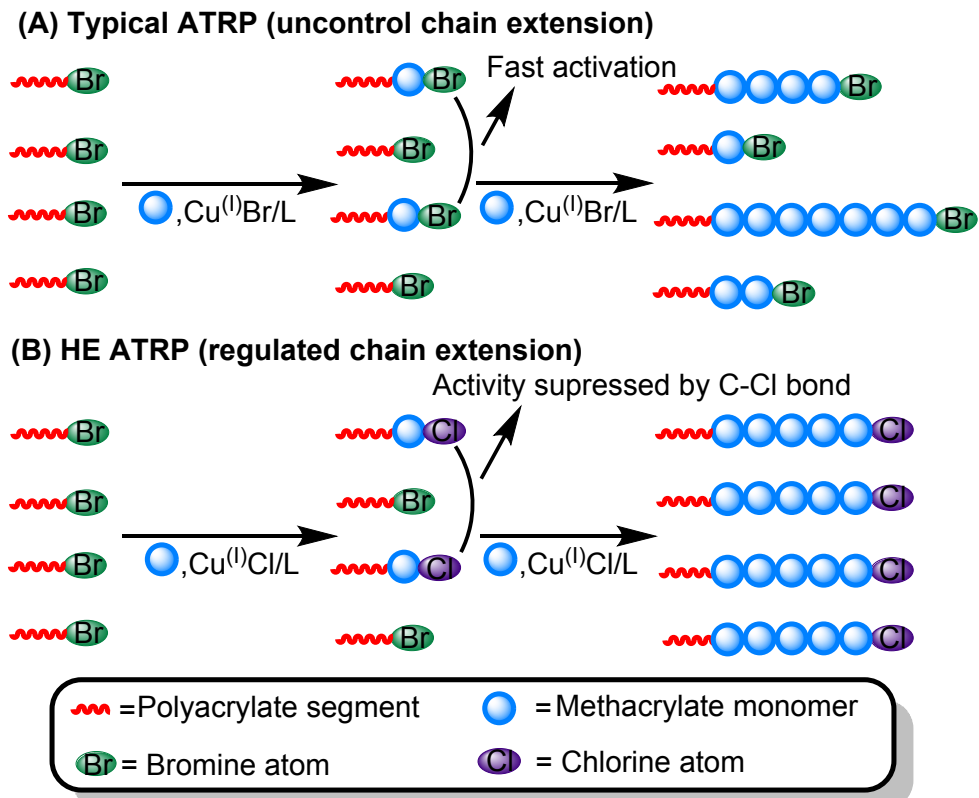
Scheme S1. General reaction mechanisms of (A) typical ATRP and (B) HE ATRP.

Figure S1. ¹H NMR spectrum (400 MHz, CDCl₃) of PCL-Br obtained through ROP of ε-CL (ε-CL/HEBiB/DPP = 200/1/1 at 40 °C; [ε-CL]₀ = 9.0 M).

Figure S2. FT-IR spectra of the obtained (a) PCL, (b) PCL-*b*-PnBA, and (c) PCL-*b*-PnBA-*b*-PMMA (block co)polymers, displaying the range 4000–400 cm⁻¹.

Figure S3. TGA traces of ET/tBCP composites at various weight ratios.

Figure S4. Apparent images of ET/tBCP composites at various weight ratios.



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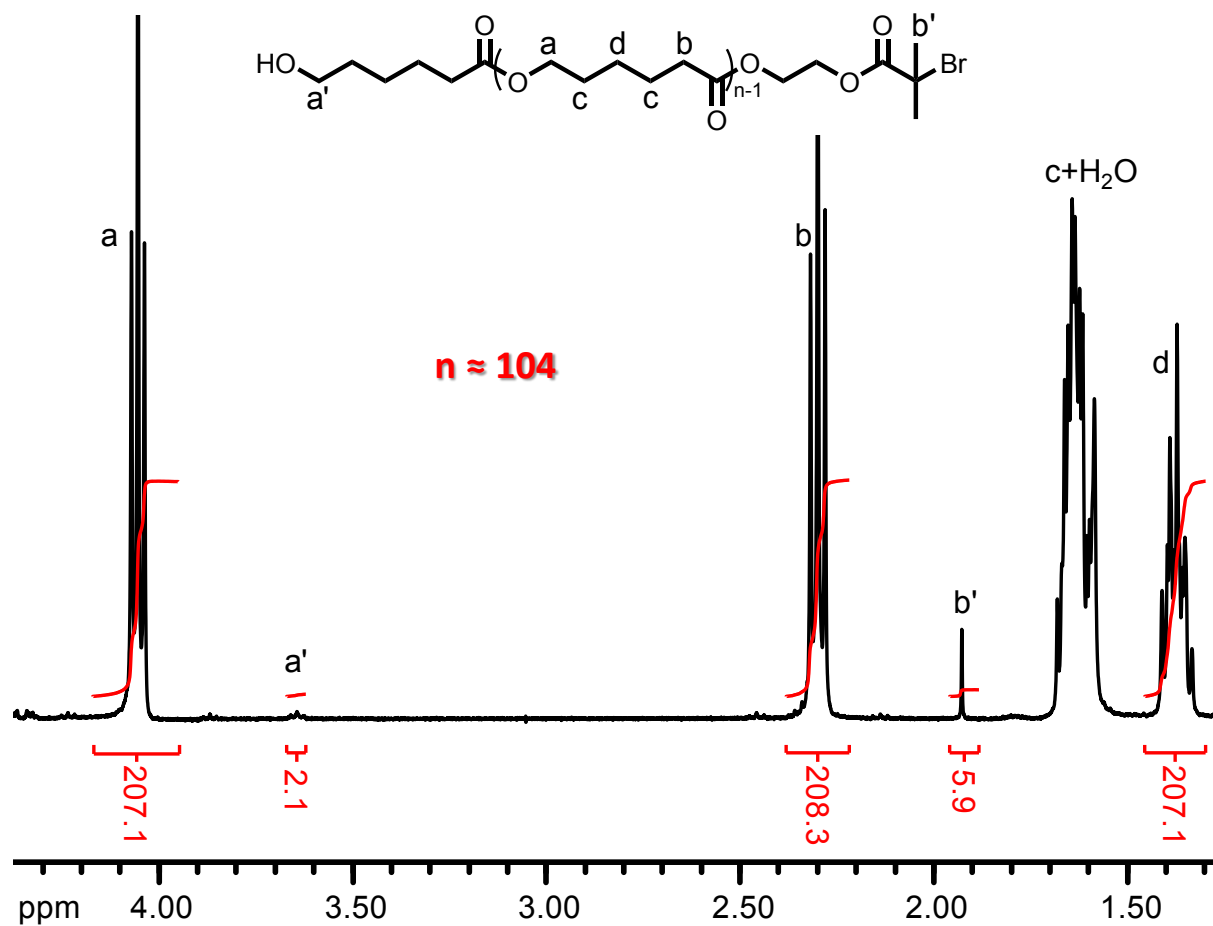


Figure S1. ^1H NMR spectrum (400 MHz, CDCl_3) of PCL-Br obtained through ROP of ϵ -CL (ϵ -CL/HEBiB/DPP = 200/1/1 at 40 °C; $[\epsilon\text{-CL}]_0 = 9.0$ M).

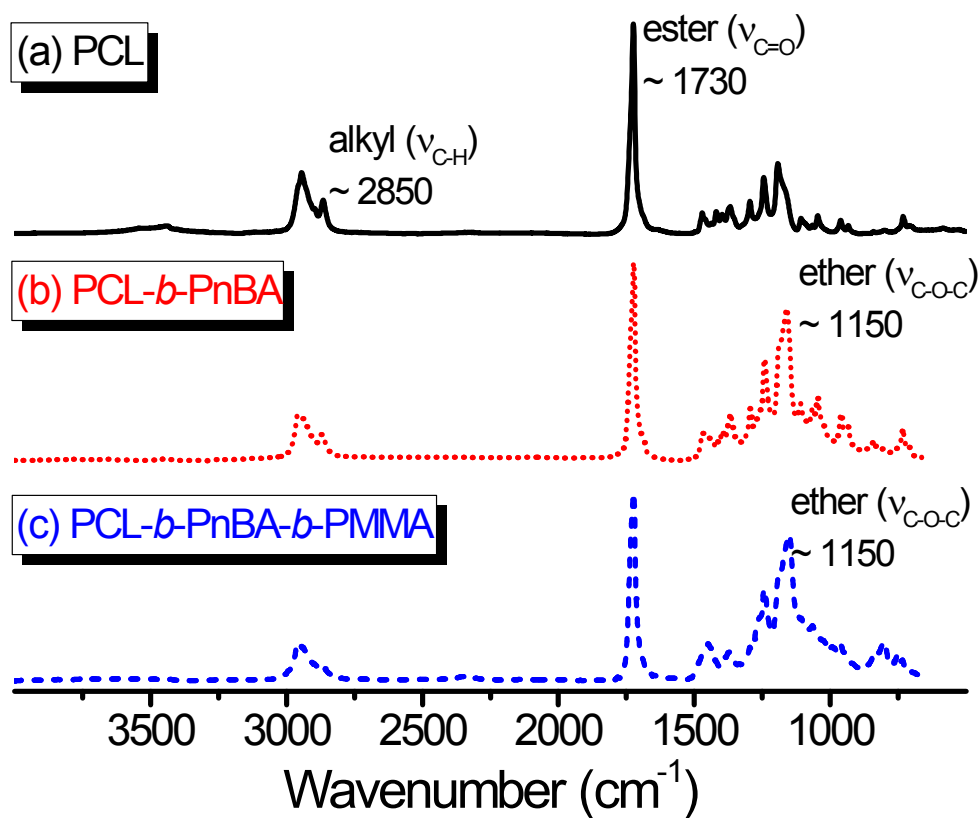


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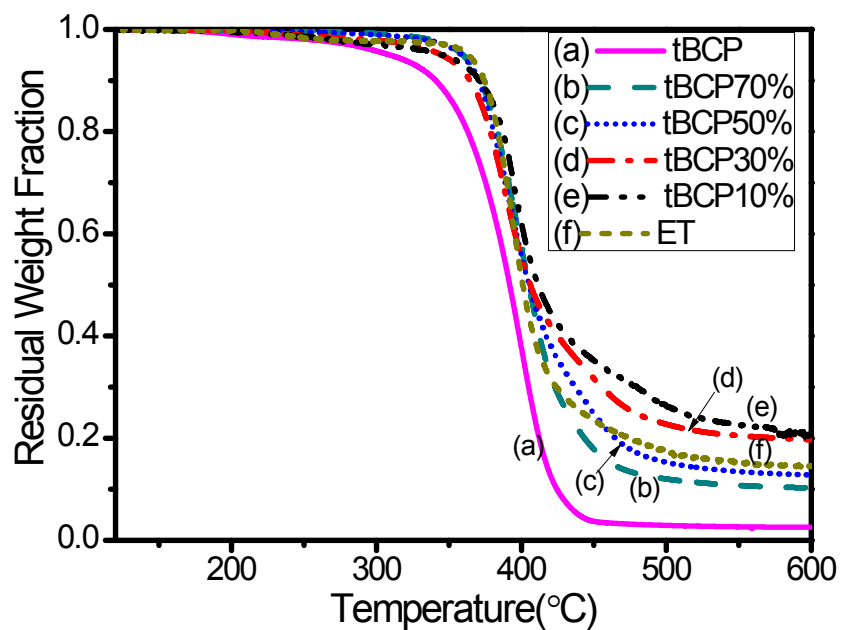


Figure S3. TGA traces of ET/tBCP composites at various weight ratios.

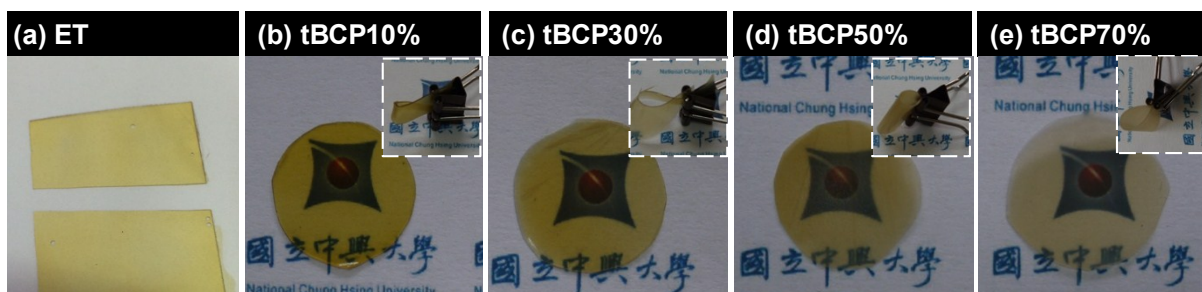


Figure S4. Apparent images of ET/tBCP composites at various weight ratios.