High-temperature Shape Memory Behavior of Semi-crystalline Polyamide Thermosets

Ming Li,^{†,‡,§} Qingbao Guan,^{II} and Theo J. Dingemans ^{*,‡,⊥}

[†] National Engineering Research Center for Biotechnology, Nanjing Tech University, Nanjing, 211800, China.

[‡] Delft University of Technology, Faculty of Aerospace Engineering, Kluyverweg 1, 2629 HS Delft, The Netherlands

[§] Dutch Polymer Institute (DPI), P.O. Box 902, 5600 AX Eindhoven, The Netherlands

^{II} Soochow University, Department of Material Science and Engineering, Suzhou, 215123, China

[⊥] University of North Carolina at Chapel Hill, Department of Applied Physical Sciences, 1113 Murray Hall, Chapel Hill, NC27599-3050, USA

*Corresponding author: Tel. 919–843–4048, E-mail: tjd@unc.edu

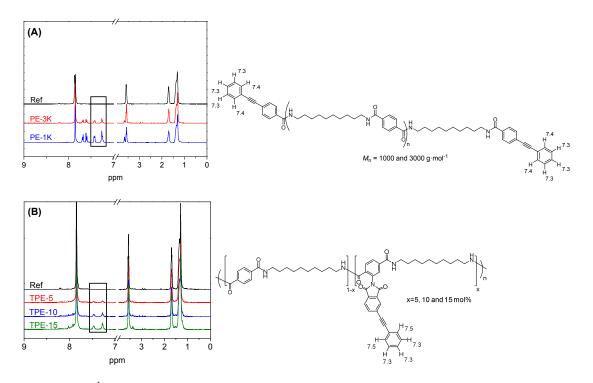


Figure S1. ¹H NMR spectra of (A) Ref, PE-3K and PE-1K; (B) Ref, TPE-5, TPE-10 and TPE-15. For clarity, the phenylethynyl proton peaks captured by the rectangular frames are labelled in the molecular structure provided.