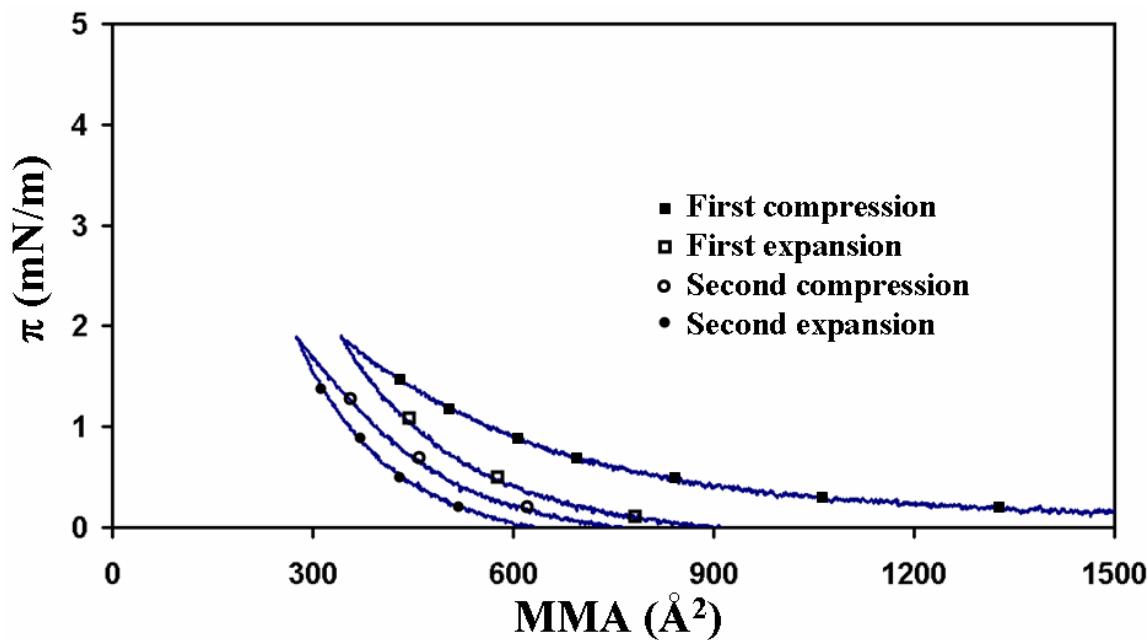


**Supporting Information for: “Langmuir and Langmuir-Blodgett Films of Poly(ethylene oxide)-*b*-Poly( $\varepsilon$ -caprolactone) Star-Shaped Block-Copolymers”**

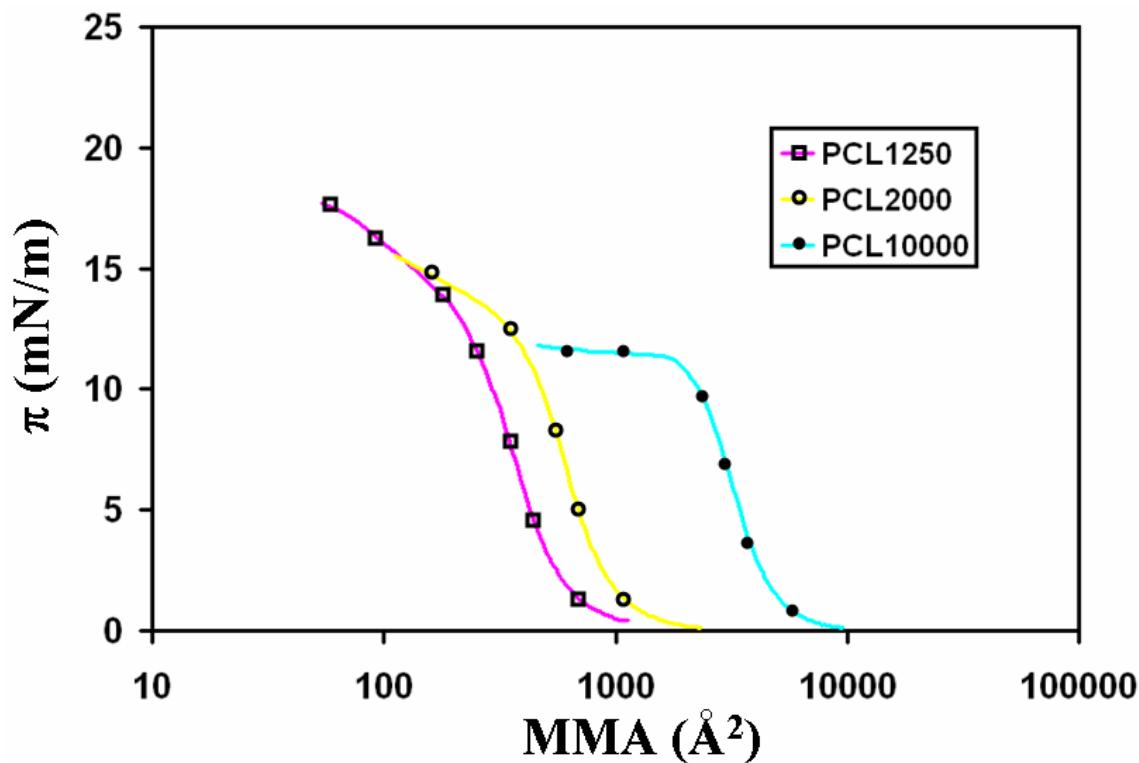
Thomas J. Joncheray,<sup>†</sup> Kristina M. Denoncourt,<sup>†</sup> Claire Mathieu,<sup>†</sup> Michael A. R. Meier,<sup>‡</sup>  
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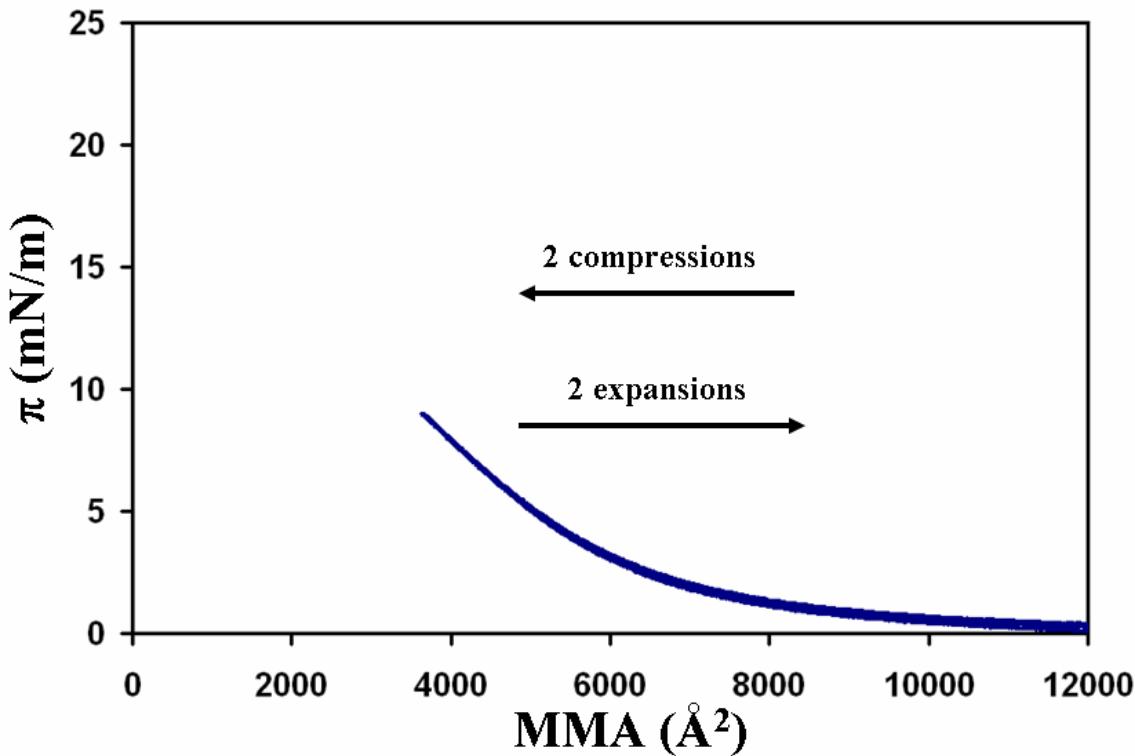
<sup>‡</sup> *The Laboratory of Macromolecular Chemistry and Nanoscience, Eindhoven University of Technology and Dutch Polymer Institute (DPI), P. O. Box 513, 5600 MB Eindhoven, The Netherlands*



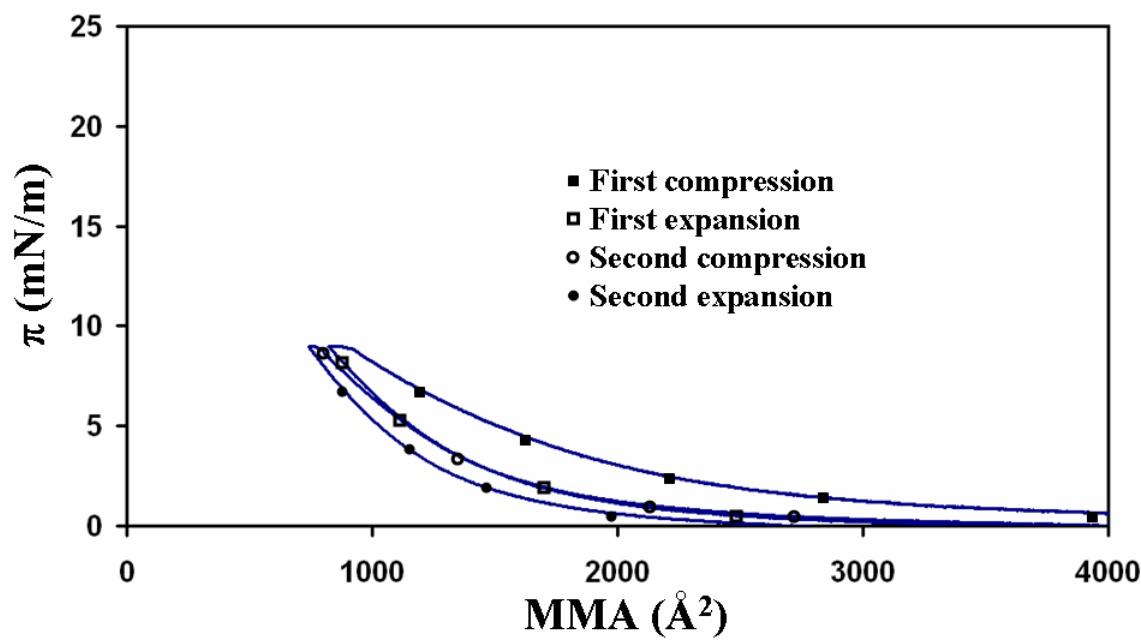
**Figure S1.** Compression-expansion hysteresis plot of the PEO core  
(target pressure = 2 mN/m).



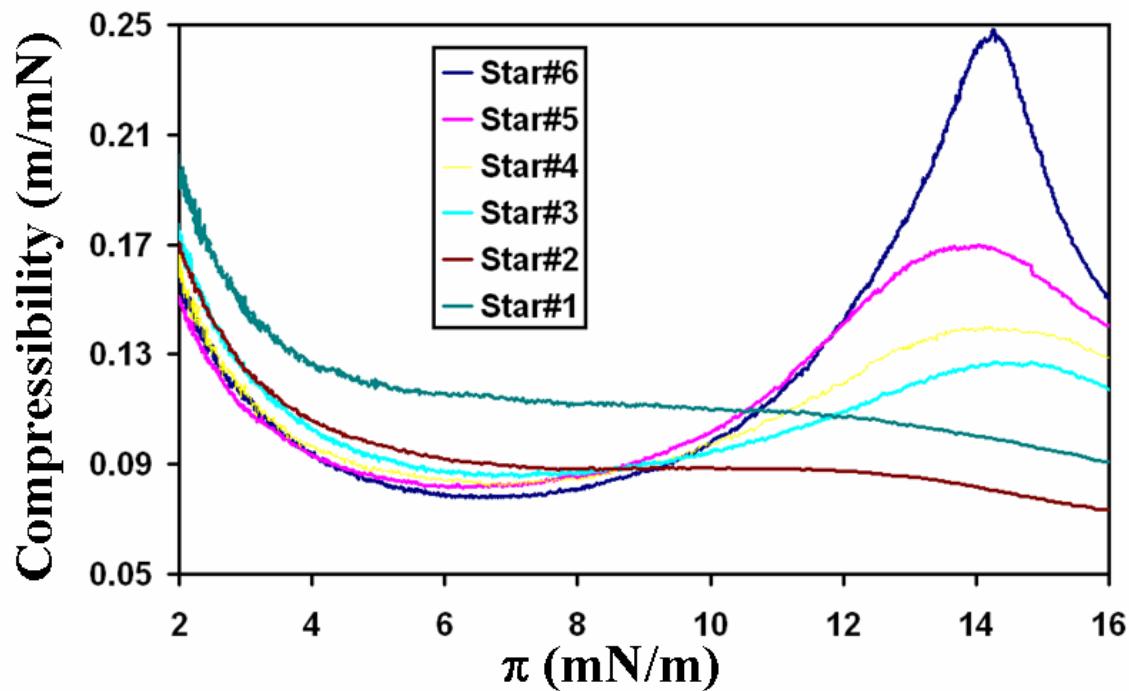
**Figure S2.** Isotherms of the PCL homopolymers (compression speed = 100 mm/min).



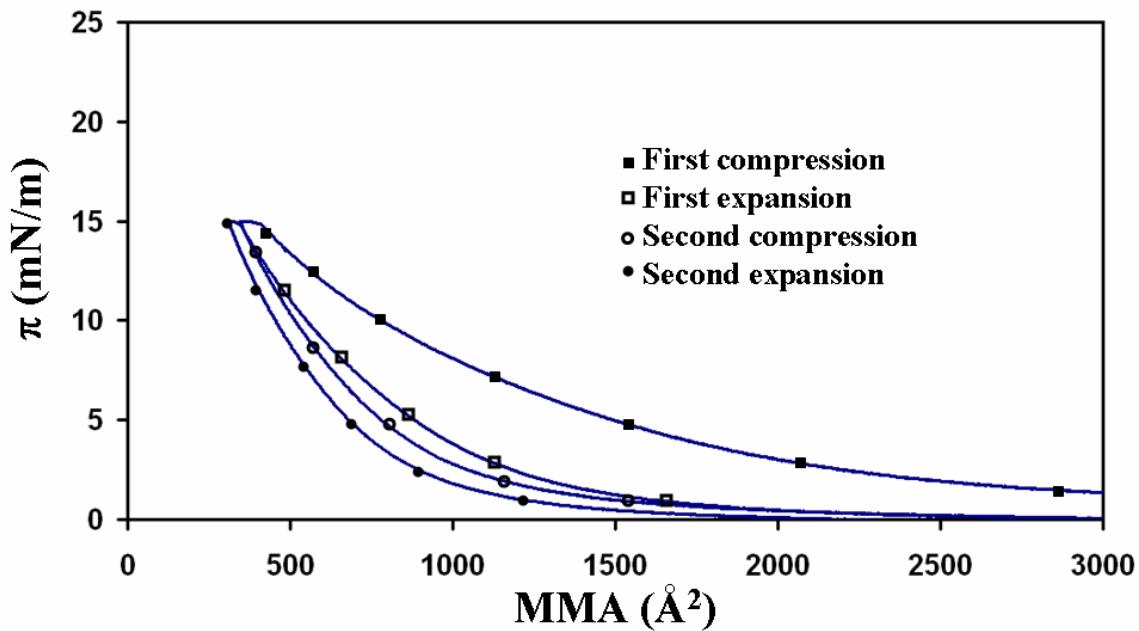
**Figure S3.** Compression-expansion hysteresis plot of Star#6 (target pressure = 9 mN/m).



**Figure S4.** Compression-expansion hysteresis plot of Star#1 (target pressure = 9 mN/m).



**Figure S5.** Compressibility plots of the PEO-*b*-PCL copolymers versus surface pressure (Compressibility K = -1/MMA\*d(MMA)/d $\pi$ ).



**Figure S6.** Compression-expansion hysteresis plot of Star#1 (target pressure = 15 mN/m).