

Supplementary Information

Scaled Down Glass Transition Temperature in Confined Polymer Nanofibers

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Calculation of tacticity

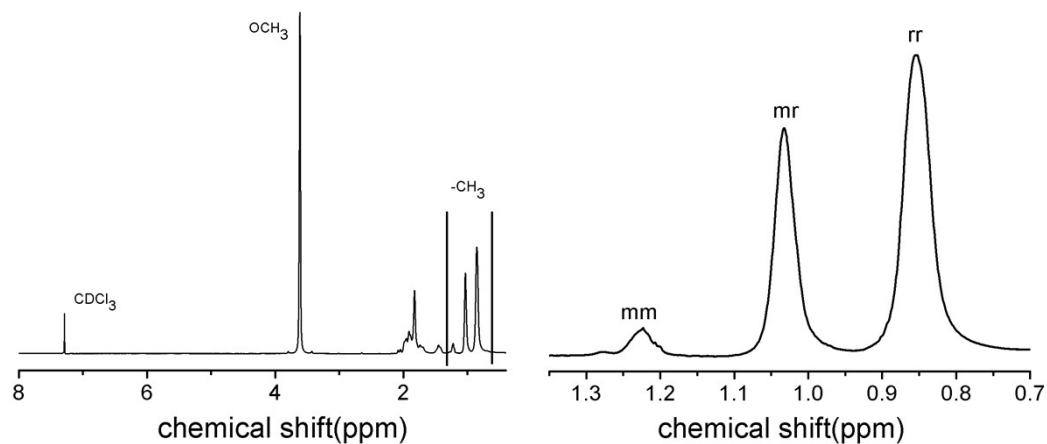


Figure S1. ^1H NMR characterization of PMMA in deuterated chloroform (CDCl_3).

The signal at $\delta=3.40\text{-}3.85$ ppm in the ^1H NMR spectrum were assigned to the protons of methoxyl in PMMA repeat units. The chemical shifts at about 0.85, 1.03, and 1.22 ppm can be ascribed to syndiotactic (rr, integral value = 21), atactic (mr, integral value = 12) and isotactic (mm, integral value = 1.5) methyl groups, respectively. The tacticity of PMMA obtained with CPDN was calculated as 61% rr, 35% mr, and 4.3% rr triads.