

Supporting Information

Aligned Nanostructured Polymers by Magnetic Field Directed Self-Assembly of a Polymerizable Lyotropic Mesophase

*Marissa E. Tousley, Xunda Feng, Menachem Elimelech, Chinedum O. Osuji**

Department of Chemical and Environmental Engineering, Yale University, 9 Hillhouse Avenue,
New Haven, CT 06511

* Corresponding author: Chinedum Osuji, Email: chinedum.osuji@yale.edu, Phone: (203) 432-4347

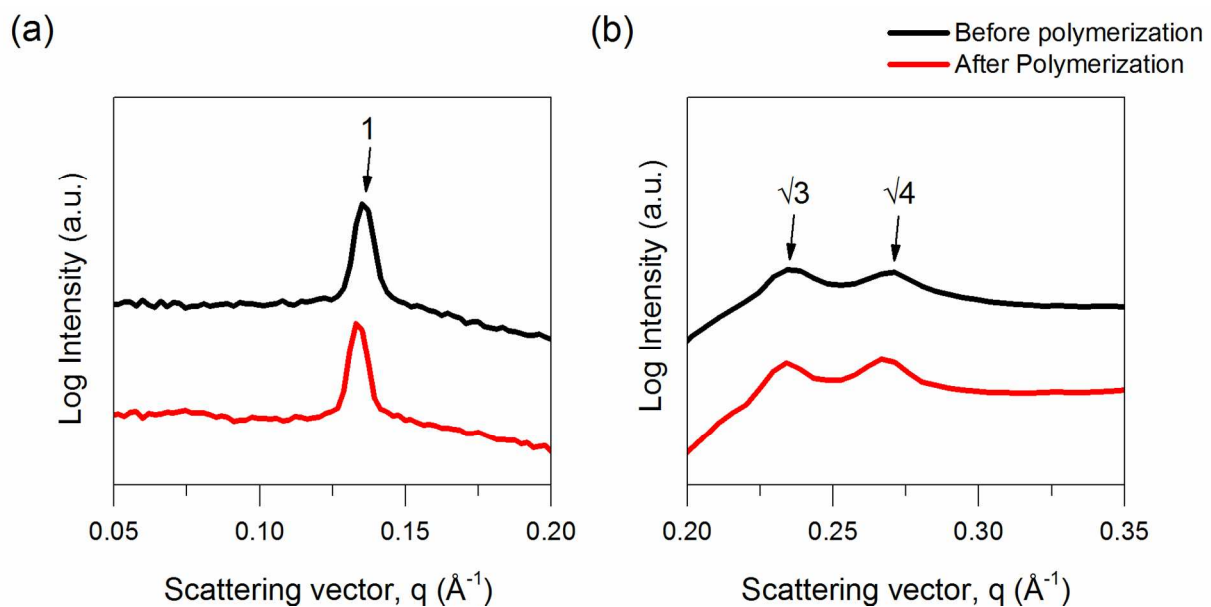


Figure S1. Scattering data confirming the presence of an H_{II} phase. (a) 1-D SAXS showing 1st order peak. (b) 1-D WAXS showing 2nd and 3rd order peaks.

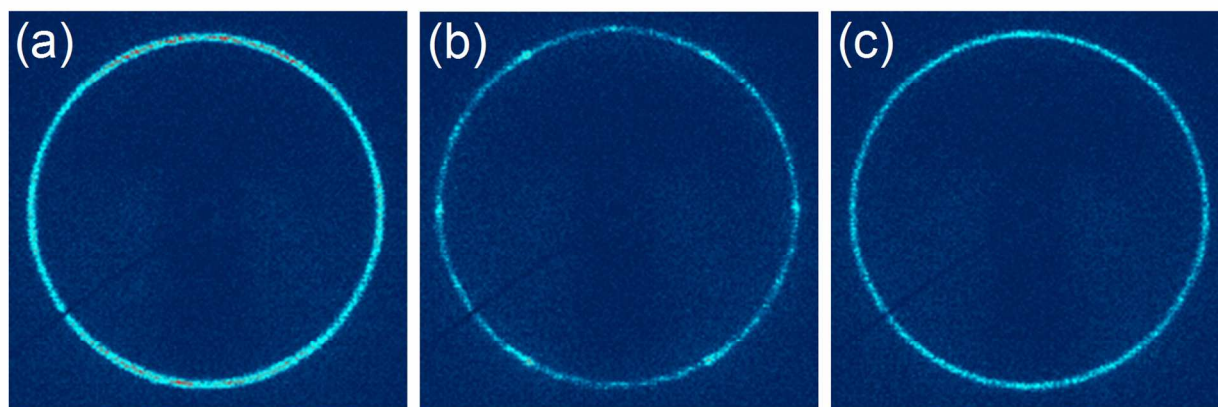


Figure S2. 2-D SAXS pattern of the lyotropic template rotated at (a) 25 °C before alignment and (b) 60 °C and (c) 25 °C after alignment in a 0 T field.