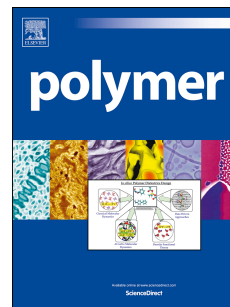


# Accepted Manuscript

Cold flow of three-dimensional confined polymer systems

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PII: S0032-3861(17)30047-2

DOI: [10.1016/j.polymer.2017.01.029](https://doi.org/10.1016/j.polymer.2017.01.029)

Reference: JPOL 19346

To appear in: *Polymer*

Received Date: 27 October 2016

Revised Date: 8 December 2016

Accepted Date: 14 January 2017

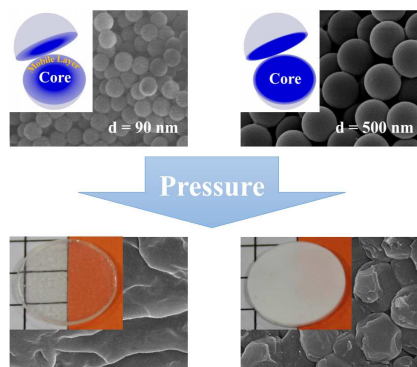
Please cite this article as: Li X, Zhang C, Sha Y, Li L, Zhou D, Zhang Z, Xue G, Wang X, Cold flow of three-dimensional confined polymer systems, *Polymer* (2017), doi: 10.1016/j.polymer.2017.01.029.

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By applying sufficient pressure on polystyrene (PS) nanospheres, the mobility of the polymer chains can be greatly enhanced in the case far below the  $T_g$  of bulk PS and thereby all the chains in the nanospheres can flow. This work demonstrates the existence of the core-shell structure of PS nanospheres and the shell layer with high segmental mobility is the key factor to realizing the cold flow.

### Cold Flow of Three-Dimensional Confined Polymer Systems

ToC figure



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