Self-Assembly of PS-\textit{b}-P4VP Block Copolymers of Varying Architectures in Aerosol Nanospheres

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Supporting information

1. The inner structure width distributions of PS(33k)-b-P4VP(8k), PS(48k)-b-P4VP(21k), and PS(20k)-b-P4VP(19k)

<table>
<thead>
<tr>
<th>Solvent</th>
<th>50 °C</th>
<th>150 °C</th>
<th>250 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMF</td>
<td><img src="image1" alt="Graph" /></td>
<td><img src="image2" alt="Graph" /></td>
<td><img src="image3" alt="Graph" /></td>
</tr>
<tr>
<td>DMF-CHCl₃</td>
<td><img src="image4" alt="Graph" /></td>
<td><img src="image5" alt="Graph" /></td>
<td><img src="image6" alt="Graph" /></td>
</tr>
<tr>
<td>CHCl₃</td>
<td><img src="image7" alt="Graph" /></td>
<td><img src="image8" alt="Graph" /></td>
<td><img src="image9" alt="Graph" /></td>
</tr>
</tbody>
</table>

**Figure S1.** Diameter distributions of P4VP worm-like domains in PS(33k)-b-P4VP(8k) nanospheres obtained at different temperatures and from different solvents. The sample size is given by N, µ is the mean inner structure diameter, and σ is the standard deviation of the mean.
Figure S2. Diameter distributions of P4VP worm-like cylinder domains in PS(48k)-b-P4VP(21k) nanospheres obtained at different temperatures and from different solvents. The sample size is given by $N$, $\mu$ is the mean inner structure diameter, and $\sigma$ is the standard deviation of the mean.
**Figure S3.** Width distributions of P4VP lamellar domains in PS(20k)-b-P4VP(19k) nanospheres obtained at different temperatures and from different solvents. The sample size is given by $N$, $\mu$ is the mean inner structure diameter, and $\sigma$ is the standard deviation of the mean.