

# Designed Thin Films from Core/Shell Microgels

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- A collection of analytical tools have been used to study the fundamental properties of thin films assembled from pH/thermoresponsive microgels.
- AFM, SPR, QCM, and Ellipsometry studies suggest that film pH responsivity can result in a bimodal swelling response for certain film architectures.
- More advanced architectures should yield more complex responses.

