

Abstract Submitted
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Morphology of Microscopic Thin Rubber Films XIN ZHANG,
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thin rubber films have been prepared using photolithographic methods. Thin films
of low molecular weight polybutadiene have been spun cast on positive photoresists,
and transferred to various substrates upon UV exposure for crosslinking and defining
the lateral dimension. The morphological scaling of thin rubber films as a function
of film dimension and temperature is discussed.

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