

Abstract Submitted
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Tracing Poly(ethylene-oxide) Crystallization using Atomic Force Microscopy¹ XAVIER CAPALDI, SAMUEL AMANUEL, None — The early stages of nucleation and crystallization of Poly(ethylene-oxide) have been studied using Atomic Force Microscopy equipped with a heating and cooling stage. Effects of molecular weight and sample preparation techniques were studied using amplitude and frequency modulation. Mapping the viscoelastic behavior at different temperatures and has enabled the development of a relatively new technique for following the evolution of crystallization and melting of a semi-crystalline polymer.

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None

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