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divided in two broad classes,
depending on their physical
properties: amorphous and
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irregular, either in terms of its
chemistry or stereochemistry.
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and instead result in a glass
transition at some lower
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such as many polymers, lack a
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this effect is fundamental to the
glass transition, few have studied
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dynamic heterogeneity. Here, we
examine this effect in thin films
through the lens of the dynamic
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polymer thin ... - Phase
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Department of Physics and
Center for Materials Science and
Engineering, Massachusetts
Institute of Technology,
Cambridge, Massachusetts
02139, USA (Received 8 July
1979) We describe phase
transitions and critical behaviour
of covalently crosslinked

polyacrylamide gels, and a single polyacrylamide chain. Tue, 24 Nov 2020 00:08:00 GMT Phase transitions in gels and a single polymer - ScienceDirect - In comparison with the advancement of switchable, nonlinear, and active components in electronics, solid-state thermal components for actively controlling heat flow have been extremely rare. We demonstrate a high-contrast and reversible polymer thermal regulator based on the structural phase transition in crystalline polyethylene nanofibers. Sat, 24 Oct 2020 21:38:00 GMT High-contrast and reversible polymer thermal regulator by ... - Phase transitions in the P - T phase diagram are described by the Gibbs enthalpy $G(T,P,N)$, as defined by (5.11), which is itself a function of the pressure P and of the temperature T . $G(T,P,N)$ changes continuously across the phase boundary when the transition is of first order. The entropy S and volume V , which are given by Mon, 16 Nov 2020 11:16:00 GMT Chapter 6 Phase transitions - uni-frankfurt.de - We show that the microstructures and phase transition behavior of vinylidene fluoride-trifluoroethylene-chloro-fluoroethylene terpolymer, $P(VDF$ - $TrFE$ - $CFE)$, with composition of 61.5/30.3/8.2 mol %, can be varied dramatically via different processing conditions. In the well-annealed sample, the polymer exhibits typical relaxor ferroelectric behavior with the nonpolar crystalline phase ... Sun, 22 Nov 2020 22:01:00 GMT Phase Transitions and Ferroelectric Relaxor Behavior in P ... - Over the past decade, phase transitions have emerged as a fundamental mechanism of cellular organization. In parallel, a wealth of evidence has accrued

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