

Liquid-Crystalline Polymer Systems (ACS Symposium Series)



Provides a comprehensive report on the synthesis, structure, rheology, processing, performance, and applications of liquid-crystalline polymers (LCPs). Discusses self-reinforced composites prepared through the melt processing of thermoplastics and thermotropic LCPs. Addresses current research efforts in making polymer-dispersed liquid crystals. Reports recent studies on the structure and phase behavior of mesophases. Describes the synthesis and properties of new main-chain and side-chain liquid-crystalline block copolymers, mesogen-jacketed LCPs, and liquid-crystalline thermosets.

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