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The general effects of polymer lamella thickness and perfection, determined by crystallization conditions and post‐crystallization thermal history and molar mass, as well as the effects of heating rate, pressure, and diluent characteristics on the melting behavior are also discussed.

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Crystallization of polymers is a process associated with partial alignment of their molecular chains. These chains fold together and form ordered regions called lamellae, which compose larger spheroidal structures named spherulites. Polymers can crystallize upon cooling from melting, mechanical stretching or solvent evaporation.

Crystallization of polymers - Wikipedia

Geologic crystallization is responsible for huge deposits of carbonates, sulfates, and phosphates that often grow in mountains and quarries. This process occurs over long periods of time, often at high temperatures and pressures, and results in large and usually highly ordered crystals such as diamond.

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