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## Sub-Critical Gas-Assisted Processing Of A Polymer Blend

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### The Invention

A method of processing of a polymer blend is provided. The method includes the step of introducing a polymer material and a secondary polymer material into a barrel of an extruder. A user-selected gas having a supercritical point is injected into the barrel. The user-selected gas is below the supercritical point thereof. The polymer material, the secondary polymer material and the user-selected gas are mixed within the barrel to form a polymer blend. The polymer blend is ejected from the barrel into a mold, pelletizer or the like.

#### Tech Fields

- [Materials & Chemicals : Polymers](#)

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