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CONTROL OF PROCESSING PROBLEMS RELATED TO ADDITIVES BY COMPOSITE EXTRUSION

Louis F. Erb, Nixon, N.J., assignor to Hercules Incorporated, Wilmington, Del., a corporation of Delaware

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A novel technique for preparing films of synthetic polymers containing additives comprises extruding the film as a three-layer composite having substantially all of the additives in the center or core layer. The method is particularly useful in cases where the additives has a tendency to escape from the polymer as, for example, by volatilization during extrusion or due to incompatibility with the polymer so that it is deposited on processing equipment during film production. The technique is particularly useful in the addition of such additives as plasticizers, slip agents, and antistatic compounds to polyolefin films.