

**SPRAY PROCESSES USING A GASEOUS FLOW FOR
PREPARING BIODEGRADABLE FIBRILS, NONWOVEN FABRICS
COMPRISING BIODEGRADABLE FIBRILS, AND ARTICLES
COMPRISING SUCH NONWOVEN FABRICS**

ABSTRACT

The present invention comprises processes for preparing biodegradable fibrils from one or more biodegradable homopolymeric or copolymeric resins, said process comprising: a) forming a liquid resin mixture by melting or solvating the resin or resins; and b) introducing the liquid resin mixture to a flow of a gaseous substance. The present invention further comprises biodegradable fibrils made according to the processes of the present invention. The invention further comprises nonwoven fabrics comprising biodegradable fibrils. The invention further comprises disposable absorbent articles comprising a water-permeable topsheet, an absorbent core, and a water-impermeable backsheet, wherein the topsheet comprises a nonwoven substrate comprising biodegradable fibrils. The invention further comprises disposable articles comprising biodegradable fibrils.

8-477000R