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عنوان مقاله:

Optimization of Melt Electrospun Polycaprolactone Fiber s Diameter

محل انتشار:

دهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1391)

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خلاصه مقاله:

The most remarkable advantage of electrospinning is that it can be performed with various polymers both in solution and in the melt [1]. In melt electrospinning, instead of a solution,the polymer melt is introduced into the capillary tube. Melt electrospinning can offer several advantages over solutionelectrospinning such as, no requirement of dissolution of polymers in organic solvents and their removal/recycling, environ-mentally safe and a higher throughput with no loss inmass by solvent evaporation[2]. In this study the effects of electrospinning parameters on the mean fiber diameter (MFD)of melt electrospun polycaprolactone (PCL) fibers were investigated using Taguchi method

کلمات کلیدی:

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