

عنوان مقاله:

Production of Poly (Butylene Terephthalate) Nanofibers by Electrospinning and Thermal and Crystallinity investigation of Nanofibers

محل انتشار:

اولین همایش ملی تکنولوژی های نوین در شیمی و پتروشیمی (سال: 1393)

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خلاصه مقاله:

Poly (butylene terephthalate) (PBT) nanofibers were prepared by electrospinning, being directly deposited in the form of a random fibers web. Electrospinning is a very useful process that produces nanofibers from polymer melts or solutions with diameters in the range of sub-micron to nano size. Thermal and crystallinity of electrospun fibers were characterized by DSC analysis. Increasing the electrospinning voltage from 20 kV to 30 kV at 14 wt% concentration, caused the thermal behavior and crystallinity to be improved.

کلمات کلیدی:

poly butylenes terephthalate, electrospinning, thermal and crystallinity behavior

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