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عنوان مقاله:

An investigation on Shrinkability of ePTFE Membrane Through Uniaxial Stretching

محل انتشار:

یازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1393)

تعداد صفحات اصل مقاله: 3

نویسندگان:

Arash Ranjbarzadeh Dibazar - *Department of Biomaterials, Faculty of Science, Iran Polymer and Petrochemical Institute, P.O.Box:14965/115, Tehran, Iran;*

Parvin Shokrollahi - *Department of Biomaterials, Faculty of Science, Iran Polymer and Petrochemical Institute, P.O.Box:14965/115, Tehran, Iran;*

Azam Rahimi - *Department of Polymer Science, Faculty of Science, Iran Polymer and Petrochemical Institutes,POBox: 14965/115, Tehran, Iran*

Jalal Barzin - *Department of Biomaterials, Faculty of Science, Iran Polymer and Petrochemical Institute, P.O.Box:14965/115, Tehran, Iran;*

خلاصه مقاله:

Poly(tetrafluoroethylene) membranes were prepared through uniaxial stretching operations including cold extrusion, rolling, uniaxial stretching at temperatures up to melting point of PTFE and heat treatment. Morphology of thus prepared PTFE membranes was investigated with SEM. Heat treatment at final step is essential to prevent shrinkage. In this paper, effect of heat treatment is investigated on fixation of membrane morphology at the end of thermal stretching step

کلمات کلیدی:

Poly(tetrafluoroethylene), membrane, shrinkage, heat treatment, morphology

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