

## Accepted Manuscript

Encapsulation and release of zafirlukast from electrospun polyisobutylene-based thermoplastic elastomeric fiber mat

Judit E. Puskas, Aditya Jindal, Kyle Nedic, Matthew T. Luebbers, James R. Baker Jr., Andrew McClain, Bruno Paiva dos Santos, Melissa Camassola, Wayne Jennings, Richard L. Einsporn, Nic D. Leipzig

PII: S0014-3057(17)31685-3  
DOI: <https://doi.org/10.1016/j.eurpolymj.2017.11.012>  
Reference: EPJ 8146

To appear in: *European Polymer Journal*

Received Date: 22 September 2017  
Revised Date: 25 October 2017  
Accepted Date: 5 November 2017

Please cite this article as: Puskas, J.E., Jindal, A., Nedic, K., Luebbers, M.T., Baker, J.R. Jr., McClain, A., dos Santos, B.P., Camassola, M., Jennings, W., Einsporn, R.L., Leipzig, N.D., Encapsulation and release of zafirlukast from electrospun polyisobutylene-based thermoplastic elastomeric fiber mat, *European Polymer Journal* (2017), doi: <https://doi.org/10.1016/j.eurpolymj.2017.11.012>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



# Encapsulation and Release of Zafirlukast from Electrospun Polyisobutylene-based Thermoplastic Elastomeric Fiber Mat

Judit E. Puskas<sup>1,\*‡</sup>, Aditya Jindal<sup>1,‡</sup>, Kyle Nedic<sup>1,2</sup>, Matthew T. Luebbers<sup>1</sup>, James R. Baker, Jr.<sup>2</sup>,  
Andrew McClain<sup>1</sup>, Bruno Paiva dos Santos<sup>3</sup>, Melissa Camassola<sup>3</sup>, Wayne Jennings<sup>4</sup>,  
Richard L. Einsporn<sup>5</sup>, Nic D. Leipzig<sup>1</sup>

<sup>1</sup>Department of Chemical and Biomolecular Engineering, The University of Akron, Akron, OH 44325, USA

<sup>2</sup>Michigan Nanotechnology Institute for Medicine & Biological Sciences, The University of Michigan, Ann Arbor, MI 48109, USA

<sup>3</sup>Programa de Pós-Graduação em Biologia Celular e Molecular Aplicada à Saúde, Universidade Luterana do Brasil (ULBRA), Canoas, Rio Grande do Sul 92425, Brazil

<sup>4</sup>Swagelok Center for Surface Analysis of Materials (SCSAM), Case Western Reserve University, Cleveland, OH 44106, USA

<sup>5</sup>Department of Statistics, The University of Akron, Akron, OH 44325, USA

**\*Corresponding author:** Judit E. Puskas, Department of Chemical and Biomolecular Engineering, The University of Akron, Akron, OH 44325, USA; Email: jpuskas@uakron.edu; Phone: 330-972-6203.

**‡**These authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/7804018>

Download Persian Version:

<https://daneshyari.com/article/7804018>

[Daneshyari.com](https://daneshyari.com)