

Accepted Manuscript

Formation of Stretched Fibrils and Nanohybrid Shish-Kebabs in Isotactic Polypropylene-based Nanocomposites by Application of a Dynamic Oscillatory Shear

Lengwan Li, Wei Li, Lihong Geng, Binyi Chen, Haoyang Mi, Kunlun Hong, Xiangfang Peng, Tairong Kuang

PII: S1385-8947(18)30771-X
DOI: <https://doi.org/10.1016/j.cej.2018.04.197>
Reference: CEJ 18997

To appear in: *Chemical Engineering Journal*

Received Date: 26 February 2018
Revised Date: 17 April 2018
Accepted Date: 27 April 2018

Please cite this article as: L. Li, W. Li, L. Geng, B. Chen, H. Mi, K. Hong, X. Peng, T. Kuang, Formation of Stretched Fibrils and Nanohybrid Shish-Kebabs in Isotactic Polypropylene-based Nanocomposites by Application of a Dynamic Oscillatory Shear, *Chemical Engineering Journal* (2018), doi: <https://doi.org/10.1016/j.cej.2018.04.197>

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.



Formation of Stretched Fibrils and Nanohybrid Shish-Kebabs in Isotactic Polypropylene-based Nanocomposites by Application of a Dynamic Oscillatory Shear

Lengwan Li^{1,2,3,4}, Wei Li³, Lihong Geng^{1,2}, Binyi Chen², Haoyang Mi², Kunlun Hong^{3,4}, Xiangfang Peng^{1,2**},
Tairong Kuang^{1,2*}

¹ *The Key Laboratory of Polymer Processing Engineering of Ministry of Education, South China University of Technology, Guangzhou 510640, China*

² *Department of Industrial Equipment and Control Engineering, South China University of Technology, Guangzhou 510640, China*

³ *Center for Nanophase Materials Sciences, Oak Ridge National Laboratory, Oak Ridge, Tennessee 37831, United States*

⁴ *Department of Chemical and Biomolecular Engineering, University of Tennessee, Knoxville, Tennessee 37996, United States*

Correspondence to:

**Tairong Kuang (kuangtr@scut.edu.cn).*

***Xiangfang Peng (pmxftpeng@scut.edu.cn);*

Download English Version:

<https://daneshyari.com/en/article/6579054>

Download Persian Version:

<https://daneshyari.com/article/6579054>

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