

Accepted Manuscript

Preparation and performance of bio-based carboxylic elastomer/halloysite nanotubes nanocomposites with strong interfacial interaction

Xinxin Zhou, Qinan Zhang, Runguo Wang, Baochun Guo, Yuri Lvov, Guo-Hua Hu, Liqun Zhang

PII: S1359-835X(17)30313-5

DOI: <http://dx.doi.org/10.1016/j.compositesa.2017.08.013>

Reference: JCOMA 4764

To appear in: *Composites: Part A*

Received Date: 2 May 2017

Revised Date: 3 August 2017

Accepted Date: 11 August 2017

Please cite this article as: Zhou, X., Zhang, Q., Wang, R., Guo, B., Lvov, Y., Hu, G-H., Zhang, L., Preparation and performance of bio-based carboxylic elastomer/halloysite nanotubes nanocomposites with strong interfacial interaction, *Composites: Part A* (2017), doi: <http://dx.doi.org/10.1016/j.compositesa.2017.08.013>

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.



**Preparation and performance of bio-based carboxylic elastomer/halloysite
nanotubes nanocomposites with strong interfacial interaction**

Xinxin Zhou^{a,c}, Qinan Zhang^a, Runguo Wang^{a,b}, Baochun Guo^d, Yuri Lvov^e,

Guo-Hua Hu^{c*}, Liqun Zhang^{a,b*}

^a State Key Laboratory of Organic-Inorganic Composites and ^b Key Laboratory of Beijing City for Preparation and Processing of Novel Polymer Materials, Beijing University of Chemical Technology, Beijing 100029, China.

^c Laboratory of Reactions and Process Engineering, CNRS-University of Lorraine, 1 rue Grandville, BP 20451, 54001 Nancy, France.

^d Department of Polymer Materials and Engineering, South China University of Technology, Guangzhou 510640, China.

^e Biomedical Engineering Program, Institute for Micromanufacturing, College of Engineering and Science, Louisiana Tech University, Ruston, Louisiana 71270 71272, United States.

* Corresponding authors.

Liqun Zhang

E-mail address: zhanglq@mail.buct.edu.cn.

Postal address: P. O. Box 57, Beijing University of Chemical Technology, No.15 Beisanhuan East Road, Beijing 100029, China.

Guo-Hua Hu

E-mail address: guo-hua.hu@univ-lorraine.fr.

Postal address: Site ENSIC, Batiment du LRGP, 1 rue Grandville, BP 20451, 54001 Nancy, France.

Download English Version:

<https://daneshyari.com/en/article/5439466>

Download Persian Version:

<https://daneshyari.com/article/5439466>

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