## Accepted Manuscript

Mechanical behavior of biopolymer composite coatings on plastic films by depth-sensing indentation – A nanoscale study

Cesare Rovera, Carlo A. Cozzolino, Masoud Ghaani, Davide Morrone, Richard T. Olsson, Stefano Farris

PII:	S0021-9797(17)31278-X
DOI:	https://doi.org/10.1016/j.jcis.2017.10.108
Reference:	YJCIS 22978
To appear in:	Journal of Colloid and Interface Science
Received Date:	5 July 2017
Revised Date:	24 October 2017
Accepted Date:	29 October 2017



Please cite this article as: C. Rovera, C.A. Cozzolino, M. Ghaani, D. Morrone, R.T. Olsson, S. Farris, Mechanical behavior of biopolymer composite coatings on plastic films by depth-sensing indentation – A nanoscale study, *Journal of Colloid and Interface Science* (2017), doi: https://doi.org/10.1016/j.jcis.2017.10.108

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.

## **ACCEPTED MANUSCRIPT**

Mechanical behavior of biopolymer composite coatings on plastic films by depth-sensing indentation – A nanoscale study

Cesare Rovera,<sup>a</sup> Carlo A. Cozzolino,<sup>a</sup> Masoud Ghaani,<sup>a</sup> Davide Morrone,<sup>b,c</sup> Richard T. Olsson,<sup>d</sup> Stefano Farris<sup>a,e,\*</sup>

<sup>a</sup> DeFENS, Department of Food, Environmental and Nutritional Sciences—Packaging Division, University of Milan, via Celoria 2 – 20133 Milan, Italy

<sup>b</sup> R&D srl Tecnologie dei Materiali, Galleria Gandhi, 2 – 20017 Mazzo di Rho, Italy

<sup>c</sup> Nanovea Inc., 6 Morgan, Ste 156, Irvine, CA – 92618, USA

<sup>d</sup> Department of Fibre and Polymer Technology, School of Chemical Science and Engineering, KTH Royal Institute of Technology, Teknikringen 56, SE-100 44 Stockholm, Sweden

 <sup>e</sup> INSTM, National Consortium of Materials Science and Technology, Local Unit University of Milan, via Celoria 2 – 20133 Milan, Italy

\*Corresponding author. Tel.: +39 0250316654; Fax: +39 0250316672 *E-mail address*: stefano.farris@unimi.it (S. Farris) Download English Version:

## https://daneshyari.com/en/article/6993009

Download Persian Version:

https://daneshyari.com/article/6993009

Daneshyari.com