

Accepted Manuscript

Title: Fabrication of transparent and ultraviolet shielding composite films based on graphene oxide and cellulose acetate

Author: Ana Carolina Mazarin de Moraes Patricia Fernanda Andrade Andreia Fonseca de Faria Mateus Batista Simão es Francisco Carlos Carneiro Soares Salomão Eduardo Bedê Barros Maria do Carmo Gonçalves Oswaldo Luiz Alves



PII: S0144-8617(15)00065-X
DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2015.01.034>
Reference: CARP 9622

To appear in:

Received date: 4-11-2014
Revised date: 7-1-2015
Accepted date: 22-1-2015

Please cite this article as: Moraes, A. C. M., Andrade, P. F., Faria, A. F., Simão es, M. B., Salomão, F. C. C. S., Barros, E. B., Gonçalves, M. C., and Alves, O. L., Fabrication of transparent and ultraviolet shielding composite films based on graphene oxide and cellulose acetate, *Carbohydrate Polymers* (2015), <http://dx.doi.org/10.1016/j.carbpol.2015.01.034>

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.

- 1 Highlights
- 2 Composite films based on graphene oxide and cellulose acetate were successfully fabricated.
- 3 Graphene oxide sheets were well dispersed throughout the cellulose acetate matrix.
- 4 Composite films retained the transparency in visible range regardless of GO content.
- 5 Composite films offered an improvement in ultraviolet-shielding capacity.
- 6

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/7789036>

Download Persian Version:

<https://daneshyari.com/article/7789036>

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