

Accepted Manuscript

Title: Study on dielectric behavior and harvesting properties of new $\text{Ba}_{0.5}\text{Sr}_{0.4}\text{Ca}_{0.1}\text{TiO}_3$ /poly(ether imide) composite films

Authors: Corneliu Hamciuc, Elena Hamciuc, Mihai Asandulesa, Yuri Kalvachev, Lubomir Dimitrov, Mircea Ignat



PII: S0025-5408(17)32394-2
DOI: <https://doi.org/10.1016/j.materresbull.2018.02.011>
Reference: MRB 9835

To appear in: *MRB*

Received date: 21-6-2017
Revised date: 30-12-2017
Accepted date: 5-2-2018

Please cite this article as: Hamciuc C, Hamciuc E, Asandulesa M, Kalvachev Y, Dimitrov L, Ignat M, Study on dielectric behavior and harvesting properties of new $\text{Ba}_{0.5}\text{Sr}_{0.4}\text{Ca}_{0.1}\text{TiO}_3$ /poly(ether imide) composite films, *Materials Research Bulletin* (2018), <https://doi.org/10.1016/j.materresbull.2018.02.011>

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.

Study on dielectric behavior and harvesting properties of new $\text{Ba}_{0.5}\text{Sr}_{0.4}\text{Ca}_{0.1}\text{TiO}_3$ /poly(ether imide) composite films

Corneliu Hamciuc^{*a}, Elena Hamciuc^a, Mihai Asandulesa^a, Yuri Kalvachev^b,
Lubomir Dimitrov^c, Mircea Ignat^d

^a“Petru Poni” Institute of Macromolecular Chemistry, Aleea Gr. Ghica Voda 41A, 700487 Iasi, Romania

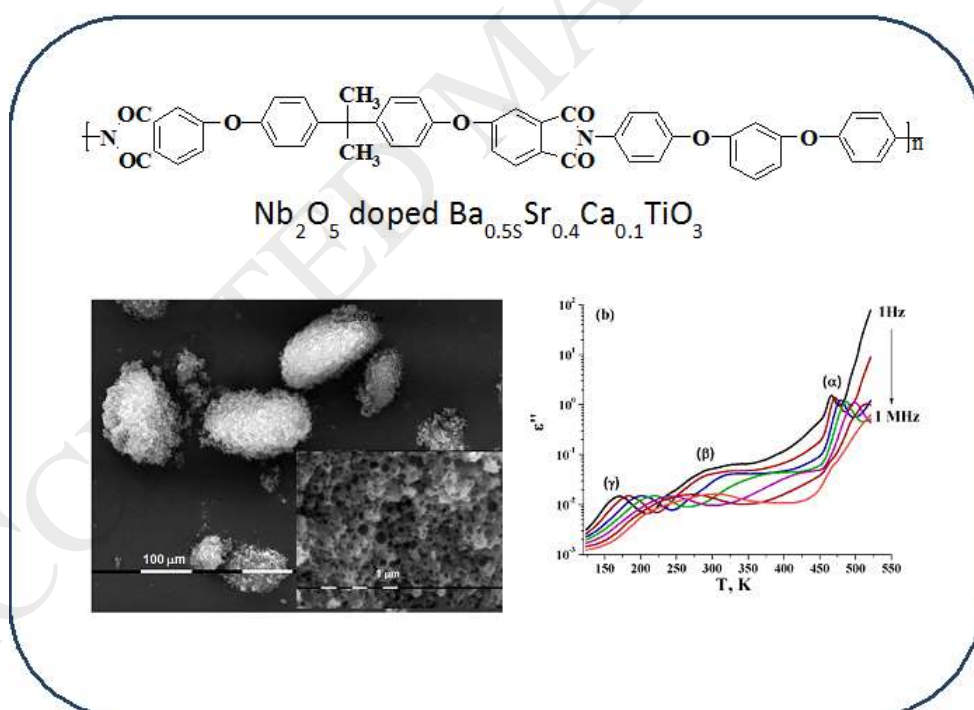
^b Institute of Catalysis, Bulgarian Academy of Sciences, Acad. G. Bonchev St., bl. 11, 1113 Sofia, Bulgaria

^c Institute of Mineralogy and Crystallography, Bulgarian Academy of Sciences, Acad. G. Bonchev St., bl. 107, 1113 Sofia, Bulgaria

^d National Institute for Research and Development in Electrical Engineering ICPE-CA, Splaiul Unirii 313, 030138 Bucharest, Romania

GRAPHICAL ABSTRACT

$\text{Ba}_{0.5}\text{Sr}_{0.4}\text{Ca}_{0.1}\text{TiO}_3$ doped with 1% Nb_2O_5 was prepared and used to obtain poly(ether imide) composite films having improved dielectric characteristics and ability to generate electrical energy on mechanical impulse.



*Corresponding author. Fax: +40 232

E-mail address: chamciuc@icmpp.ro (C. Hamciuc)

Download English Version:

<https://daneshyari.com/en/article/7904660>

Download Persian Version:

<https://daneshyari.com/article/7904660>

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