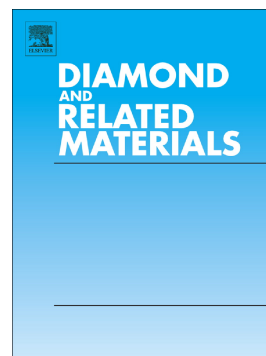


## Accepted Manuscript

High-pressure synthesis of microdiamonds from polyethylene terephthalate

K.M. Kondrina, O.S. Kudryavtsev, I.I. Vlasov, R.A. Khmel'nitskiy, E.A. Ekimov



PII: S0925-9635(17)30723-9  
DOI: doi:[10.1016/j.diamond.2018.02.008](https://doi.org/10.1016/j.diamond.2018.02.008)  
Reference: DIAMAT 7034  
To appear in: *Diamond & Related Materials*  
Received date: 15 December 2017  
Revised date: 12 February 2018  
Accepted date: 12 February 2018

Please cite this article as: K.M. Kondrina, O.S. Kudryavtsev, I.I. Vlasov, R.A. Khmel'nitskiy, E.A. Ekimov , High-pressure synthesis of microdiamonds from polyethylene terephthalate. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Diamat*(2017), doi:[10.1016/j.diamond.2018.02.008](https://doi.org/10.1016/j.diamond.2018.02.008)

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.

**High-pressure synthesis of microdiamonds from polyethylene terephthalate**

K.M. Kondrina<sup>1</sup>, O.S. Kudryavtsev<sup>2</sup>, I.I. Vlasov<sup>2</sup>, R.A. Khmel'nitskiy<sup>3</sup>, E.A. Ekimov<sup>4\*</sup>

<sup>1</sup> Lyceum of Troitsk, Moscow, Troitsk 108840, Shkol'naya ulitsa, 10A, Russia

<sup>2</sup> General Physics Institute, Russian Academy of Sciences, Moscow 119991, Russia

<sup>3</sup> Lebedev Physics Institute, Russian Academy of Sciences, 117924 Moscow, Russia

<sup>4</sup> Institute for High Pressure Physics, Russian Academy of Sciences, Moscow, Troitsk 108840, Russia

\*Corresponding author: E.A. Ekimov

E-mail: ekimov@hppi.troitsk.ru

Address: Institute for High Pressure Physics, Russian Academy of Sciences, 108840 Troitsk, Moscow, Russia

**Keywords:**

Diamond synthesis; carbonization; PET; HPHT

Download English Version:

<https://daneshyari.com/en/article/7110982>

Download Persian Version:

<https://daneshyari.com/article/7110982>

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