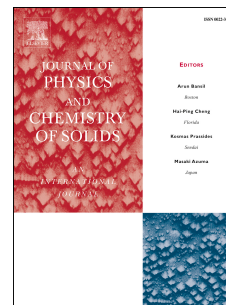


Accepted Manuscript

Ammonia borane with polyvinylpyrrolidone as a hydrogen storage material:
Comparison of different molecular weights

Ramanjaneyulu Seemaladinne, Sahithya Pati, Krishna Kharel, Adarsh Bafana, Amal al-Wahish, Evan K. Wujcik, Ozge Gunaydin-Sen



PII: S0022-3697(17)30201-9

DOI: [10.1016/j.jpcs.2017.05.033](https://doi.org/10.1016/j.jpcs.2017.05.033)

Reference: PCS 8083

To appear in: *Journal of Physics and Chemistry of Solids*

Received Date: 2 February 2017

Revised Date: 17 May 2017

Accepted Date: 31 May 2017

Please cite this article as: R. Seemaladinne, S. Pati, K. Kharel, A. Bafana, A. al-Wahish, E.K. Wujcik, O. Gunaydin-Sen, Ammonia borane with polyvinylpyrrolidone as a hydrogen storage material: Comparison of different molecular weights, *Journal of Physics and Chemistry of Solids* (2017), doi: 10.1016/j.jpcs.2017.05.033.

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.

Ammonia Borane with Polyvinylpyrrolidone as a Hydrogen Storage Material: Comparison of Different Molecular Weights

Ramanjaneyulu Seemaladinne¹, Sahithya Pati¹, Krishna Kharel¹, Adarsh Bafana², Amal al-Wahish³, Evan K. Wujcik^{2,4,5}, and Ozge Gunaydin-Sen¹

¹Department of Chemistry and Biochemistry, Lamar University, Beaumont, TX, 77710, USA

²Materials Engineering and Nanosensor [MEAN] Laboratory, Dan F. Smith Department of Chemical Engineering, Lamar University, Beaumont, TX, 77710, USA

³University of Missouri Research Reactor (MURR), University of Missouri, Columbia, MO 65211, USA

⁴Materials Engineering And Nanosensor [MEAN] Laboratory, Department of Chemical and Biological Engineering, The University of Alabama, Tuscaloosa, AL 35401, USA

⁵Department of Materials Science, The University of Alabama, Tuscaloosa, AL 35401, USA

Ramanjaneyulu Seemaladinne: rseemaladinn@lamar.edu, Sahithya Pati: spati@lamar.edu, Krishna Kharel: kkharel@lamar.edu, Adarsh Bafana: bafana.adarsh6@gmail.com, Amal al-Wahish: alwahisha@missouri.edu, Evan Wujcik: ewujcik@lamar.edu

*Corresponding Author: Ozge Gunaydin-Sen

e-mail: ozge.sen@lamar.edu

Phone: 0014098808275

Download English Version:

<https://daneshyari.com/en/article/5447246>

Download Persian Version:

<https://daneshyari.com/article/5447246>

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