

Accepted Manuscript

Title: Preparation and characterization of maltodextrin-based polyurethane

Authors: Dan Dan Wu, Ying Tan, Zeng Wen Cao, Li Jing Han, Hui Liang Zhang, Li Song Dong



PII: S0144-8617(18)30412-0
DOI: <https://doi.org/10.1016/j.carbpol.2018.04.034>
Reference: CARP 13488

To appear in:

Received date: 24-1-2018
Revised date: 22-3-2018
Accepted date: 7-4-2018

Please cite this article as: Wu, Dan Dan., Tan, Ying., Cao, Zeng Wen., Han, Li Jing., Zhang, Hui Liang., & Dong, Li Song., Preparation and characterization of maltodextrin-based polyurethane. *Carbohydrate Polymers* <https://doi.org/10.1016/j.carbpol.2018.04.034>

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.

Preparation and characterization of maltodextrin-based polyurethane

Dan Dan Wu^{a,b}, Ying Tan^a, Zeng Wen Cao^{a,b}, Li Jing Han^a, Hui Liang Zhang^a, Li Song Dong^{a,*}

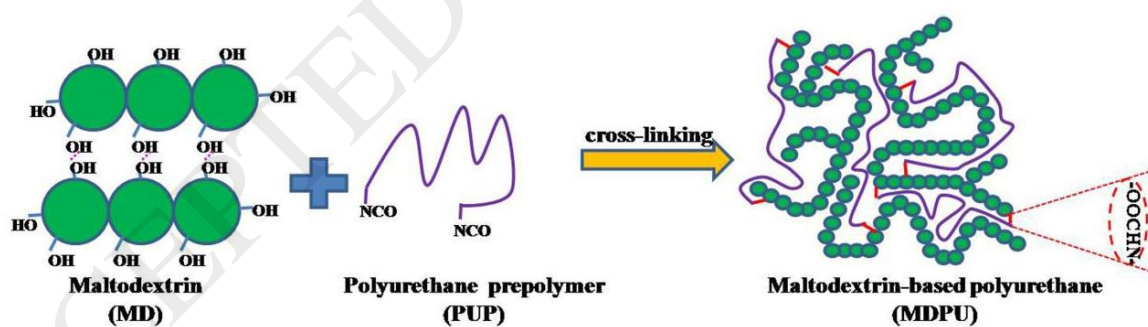
^a Key Laboratory of Polymer Ecomaterials, Chinese Academy of Sciences, Changchun Institute of Applied Chemistry, Changchun, 130022, China

^b Graduate School of the Chinese Academy of Sciences, Beijing 10080, China

*Corresponding author.

E-mail address: dongls@ciac.ac.cn (L.S. Dong)

Graphical abstract



Highlights:

- Maltodextrin (MD) based polyurethane (MDPU) was prepared.
- MDPU-0.5 was a thermoset plastic with good elasticity at 52% RH.
- MDPU-0.5 showed the best thermal stability.

Download English Version:

<https://daneshyari.com/en/article/7782332>

Download Persian Version:

<https://daneshyari.com/article/7782332>

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