Accepted Manuscript

Title: The thermal stability and pyrolysis mechanism of boron-containing phenolic resins: The effect of phenyl borates on the char formation

Author: Shujuan Wang Yong Wang Cheng Bian Yuhu Zhong Xinli Jing

PII: S0169-4332(15)00086-0

DOI: http://dx.doi.org/doi:10.1016/j.apsusc.2015.01.062

Reference: APSUSC 29499

To appear in: APSUSC

Received date: 4-9-2014 Revised date: 7-1-2015 Accepted date: 11-1-2015

Please cite this article as: S. Wang, Y. Wang, C. Bian, Y. Zhong, X. Jing, The thermal stability and pyrolysis mechanism of boron-containing phenolic resins: The effect of phenyl borates on the char formation, *Applied Surface Science* (2015), http://dx.doi.org/10.1016/j.apsusc.2015.01.062

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.



ACCEPTED MANUSCRIPT

The thermal stability and pyrolysis mechanism of boron-containing phenolic resins:

The effect of phenyl borates on the char formation

Shujuan Wang^a, Yong Wang^a, Cheng Bian^a, Yuhu Zhong^a, Xinli Jing ^{a,b*}

^aDepartment of Applied Chemistry, School of Science, Xi'an Jiaotong University, Xi'an

710049, People's Republic of China

^bMOE Key Laboratory for Nonequilibrium Synthesis and Modulation of Condensed

Matter, Xi'an, 710049, People's Republic of China

E-mail addresses: xljing@mail.xjtu.edu.cn; rgfp-jing@mail.xjtu.edu.cn (X.L. Jing).

^{*}Corresponding author. Tel.: +86 29 68640809; Fax: +86 29 83237910.

Download English Version:

https://daneshyari.com/en/article/5359105

Download Persian Version:

https://daneshyari.com/article/5359105

<u>Daneshyari.com</u>