#### Accepted Manuscript

Title: Tunable properties of novel tetra-functional fluorene-based benzoxazines from mixed amines: synthesis, characterization and curing kinetics



Author: Tiantian Feng Jun Wang Lan Pan Mehdi Derradji Noureddine Ramdani Wenbin Liu Haoran Zhou

PII:	S0040-6031(16)30049-1
DOI:	http://dx.doi.org/doi:10.1016/j.tca.2016.03.027
Reference:	TCA 77474
To appear in:	Thermochimica Acta
Received date:	16-12-2015
Revised date:	15-3-2016
Accepted date:	21-3-2016

Please cite this article as: Tiantian Feng, Jun Wang, Lan Pan, Mehdi Derradji, Noureddine Ramdani, Wenbin Liu, Haoran Zhou, Tunable properties of novel tetra-functional fluorene-based benzoxazines from mixed amines: synthesis, characterization and curing kinetics, Thermochimica Acta http://dx.doi.org/10.1016/j.tca.2016.03.027

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

## Tunable properties of novel tetra-functional fluorene-based benzoxazines

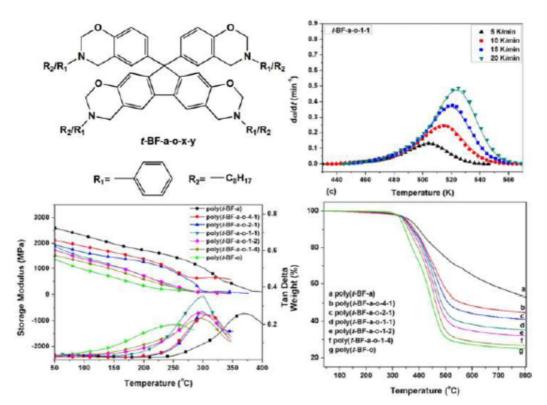
from mixed amines: synthesis, characterization and curing kinetics

Tiantian Feng,<sup>*a*</sup> Jun Wang \*<sup>*a*</sup>, Lan Pan<sup>*a*</sup>, Mehdi Derradji <sup>*a*</sup>, Noureddine Ramdani <sup>*a*</sup>, Wenbin Liu \*<sup>*a*</sup>, Haoran Zhou <sup>*b*</sup>

- Polymer Materials Research Center, Key Laboratory of Superlight Material and Surface Technology of Ministry of Education, College of Materials Science and Chemical Engineering, Harbin Engineering University, Harbin 15001, PR, China.
- Department of Polymer Materials and Engineering, College of Materials Science and Engineering, Harbin University of Science and Technology, Harbin 150040, PR, China.
- \*. E-mail: wilwb@163.com. Tel.: +86-451-82589540; fax: +86-451-82589540.

Graphical aabstract

Graphical Abstract



#### Highlights

• Synthesis of tetra-functional fluorene-based benzoxazines with tunable properties.

Download English Version:

# https://daneshyari.com/en/article/672720

Download Persian Version:

https://daneshyari.com/article/672720

Daneshyari.com