## SUPPORTING INFORMATION

## Enhancing the Thermal and Mechanical properties of Epoxy Resins by Addition of Hyperbranched Aromatic Polyamide Grown on Microcrystalline Cellulose Fibers

Xiane Xiao<sup>1</sup>, Shaorong Lu<sup>1\*</sup>, Bo Qi<sup>1</sup>, Cen Zeng<sup>1</sup>, Zhengkai Yuan<sup>1</sup>, Jinhong Yu<sup>1,2\*</sup>

<sup>1</sup>Key Laboratory of New Processing Technology for Nonferrous Metals and Materials, Ministry of Education, School of Material Science and Engineering, Guilin University of Technology, Guilin 541004, China.

<sup>2</sup> Key Laboratory of Marine New Materials and Application Technology, Ningbo Institute of Material Technology & Engineering, Chinese Academy of Sciences, Ningbo, 315201, China

\* Corresponding author. Fax: +86-773-5896671. Telephone: +86-773-5896438. Electronic mail: <u>yujinhong@glut.edu.cn</u> (*J.H. Yu*), <u>lushaor@163.com</u> (*S.R. Lu*)

## SUPPLEMENT



Figure S1. The digital photograph of raw sisal fibers.



Figure S2. POM image of MCF fillers taken at room temperature.



**Figure S3**. Digital photograph of suspensions of MCF,  $\gamma$ -APTEOS-MCF and HBAP-MCF in ethanol for 2 hours after ultrasonic treatment (0.5 mg/ml).



Figure S4. XPS survey spectra of (a) MCF and (b) HBAP-MCF.