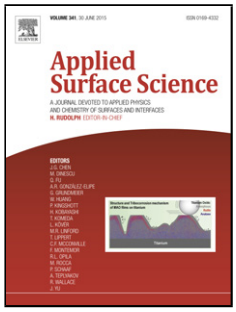
Accepted Manuscript



Title: Grafting methyl acrylic onto carbon fiber via Diels-Alder reaction for excellent mechanical and tribological properties of phenolic composites

Authors: Jie Fei, Xiao Duan, Lan Luo, Chao Zhang, Ying Qi, Hejun Li, Yongqiang Feng, Jianfeng Huang

PII: S0169-4332(17)32859-3
DOI: https://doi.org/10.1016/j.apsusc.2017.09.211
Reference: APSUSC 37290

To appear in: *APSUSC*

Received date: 26-7-2017
Revised date: 13-9-2017
Accepted date: 25-9-2017

Please cite this article as: Jie Fei, Xiao Duan, Lan Luo, Chao Zhang, Ying Qi, Hejun Li, Yongqiang Feng, Jianfeng Huang, Grafting methyl acrylic onto carbon fiber via Diels-Alder reaction for excellent mechanical and tribological properties of phenolic composites, Applied Surface Science https://doi.org/10.1016/j.apsusc.2017.09.211

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

Grafting methyl acrylic onto carbon fiber via Diels-Alder reaction for excellent mechanical and tribological properties of phenolic composites

Jie Fei[a], Xiao Duan[a], Lan Luo[a], Chao Zhang[a], Ying Qi[a], Hejun Li[b], Yongqiang Feng[a], Jianfeng Huang[a]*

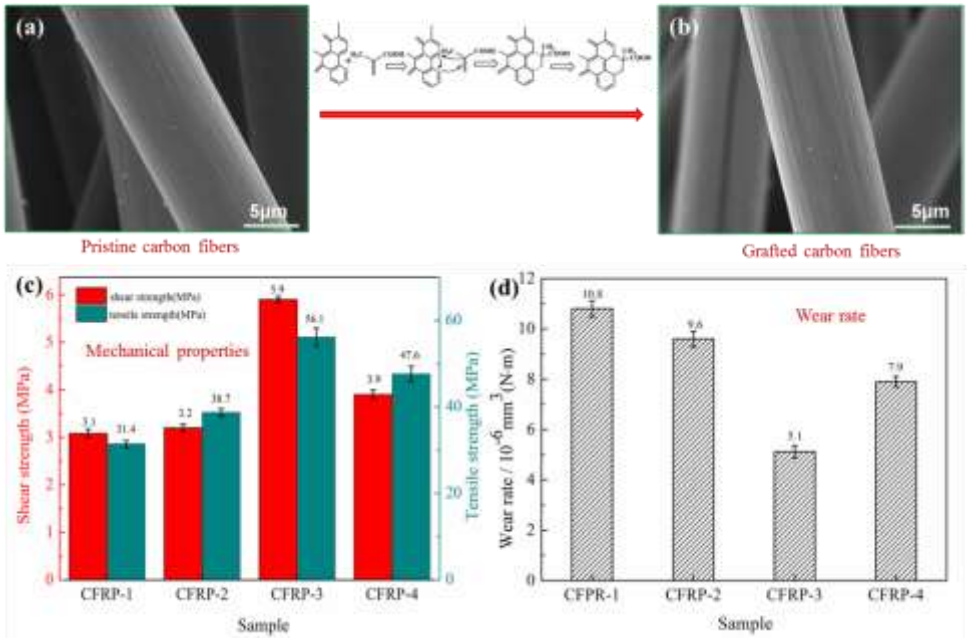
a School of Materials Science and Engineering, Shaanxi University of Science and Technology, Xi'an, 710021, China

b Carbon/Carbon Composite Research Center, The State Key Laboratory of Solidification Processing, Northwestern Polytechnical University, Xi'an, 710072, China

[1] * Corresponding author Tel.: +86 86168802; fax: +86 029 86168802

E-mail address: huangjfsust@126.com (J. F. Huang)

Graphical Abstract



Highlights

- Carbon fibers were functionalized with methyl acrylic via Diels-Alder reaction.

Download English Version:

https://daneshyari.com/en/article/7836367

Download Persian Version:

https://daneshyari.com/article/7836367

Daneshyari.com