## Accepted Manuscript

Interfacial properties and thermal aging of glass fiber/epoxy composites reinforced with SiC and SiO<sub>2</sub> nanoparticles

Dong-Jun Kwon, Pyeong-Su Shin, Jong-Hyun Kim, Yeong-Min Baek, Ha-Seung Park, K, Lawrence DeVries, Joung-Man Park

PII: S1359-8368(16)32513-6

DOI: 10.1016/j.compositesb.2017.07.045

Reference: JCOMB 5181

To appear in: Composites Part B

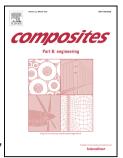
Received Date: 31 October 2016

Revised Date: 19 May 2017

Accepted Date: 29 July 2017

Please cite this article as: Kwon D-J, Shin P-S, Kim J-H, Baek Y-M, Park H-S, DeVries K,L, Park J-M, Interfacial properties and thermal aging of glass fiber/epoxy composites reinforced with SiC and SiO<sub>2</sub> nanoparticles, *Composites Part B* (2017), doi: 10.1016/j.compositesb.2017.07.045.

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.



## Interfacial Properties and Thermal Aging of Glass Fiber/Epoxy Composites Reinforced with SiC and SiO<sub>2</sub> Nanoparticles

By

Dong-Jun Kwon<sup>1</sup>, Pyeong-Su Shin<sup>1</sup>, Jong-Hyun Kim<sup>1</sup>, Yeong-Min Baek<sup>1</sup>, Ha-Seung Park<sup>1</sup>, K, Lawrence DeVries<sup>2</sup>, Joung-Man Park<sup>1, 2†</sup>

> <sup>1</sup>Department of Materials Engineering and Convergence Technology, Research Institute for Green Energy Convergence Technology, Center for Creative Human Resource & Convergence Materials, Gyeongsang National University, Jinju 660-701, Korea <sup>2</sup>Department of Mechanical Engineering, The University of Utah, Salt Lake City, Utah 84112, U.S.A.

> > <sup>†</sup> To Whom Correspondence Should be Addressed

e-mail: jmpark@gnu.ac.kr

Tel: +82-55-772-1656 Fax: +82-55-772-1659

May 18, 2017

Download English Version:

## https://daneshyari.com/en/article/5021106

Download Persian Version:

https://daneshyari.com/article/5021106

Daneshyari.com