

Enhanced Electrorheological Response of Cellulose: A Double Effect of Modification by Urea-terminated Silane

Zhao Liu ¹, Panpan Chen ¹, Xiao Jin ¹, Li-Min Wang ¹, Ying Dan Liu ^{1,*} and Hyoung Jin Choi ^{2,*}

¹ State Key Lab of Metastable Materials Science and Technology, College of Materials Science and Engineering, Yanshan University, Qinhuangdao 066004, Hebei, China; liuzhao0120@sina.cn (Z.L.); 15032375221@139.com (P.C.); jinxiao94315@163.com (X.J.); limin_wang@ysu.edu.cn (L.-M.W.)

² Department of Polymer Science and Engineering, Inha University, Incheon 402751, Korea

* Correspondence: ydliu@ysu.edu.cn (Y.D.L.); hjchoi@inha.ac.kr (H.J.C.)

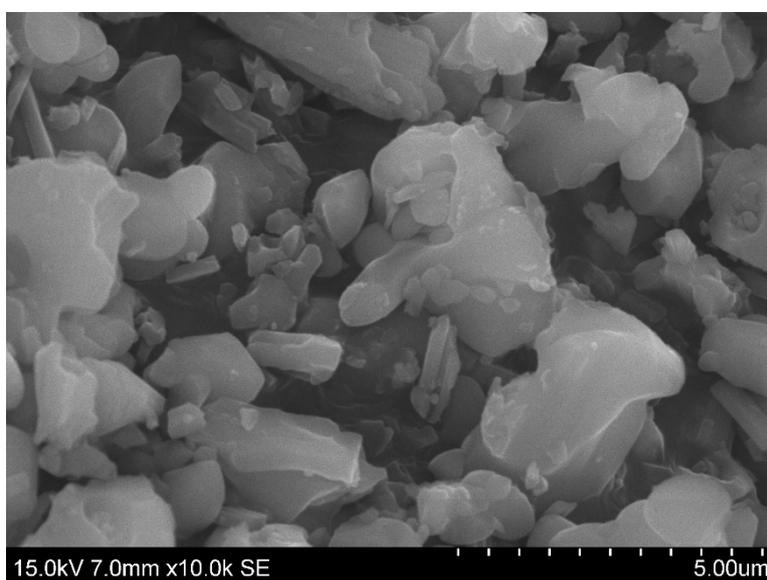


Figure S1. SEM of physically treated cellulose particles in NaOH solution.

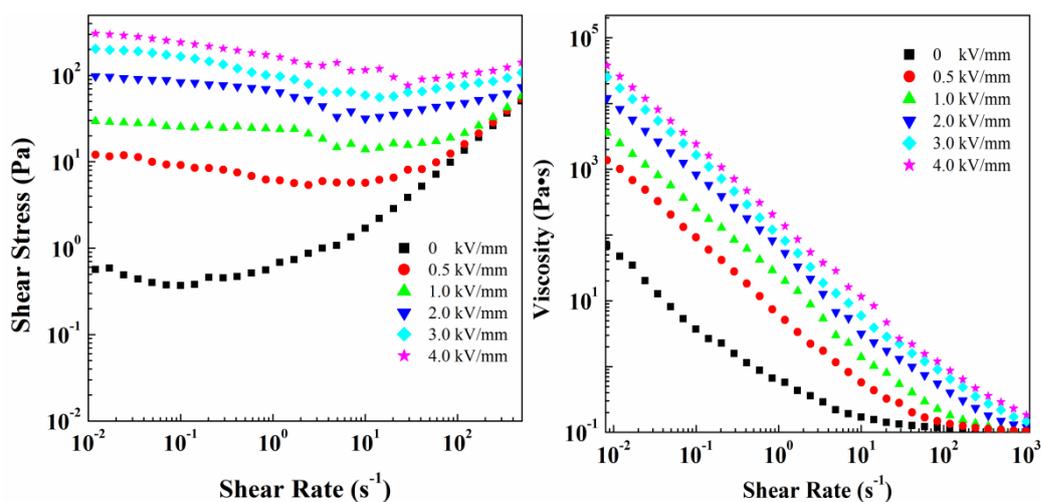


Figure S2. Shear stress and shear viscosity curves of the ER fluid containing physically treated cellulose in NaOH solution. .