

Biocompatible shape-memory poly(propylene carbonate)/silk fibroin blend with body temperature responsiveness

Meiyu Cao^{a,b}, Bingbing Zeng^{a,b}, Yu Zheng^{a,b,c}, Shaoyun Guo^{a,b}*

^a The State Key Laboratory of Polymer Materials Engineering, Polymer Research Institute of Sichuan University, Chengdu 610065, Sichuan, China

^b Sichuan Provincial Engineering Laboratory of Plastic/Rubber Complex Processing Technology, Chengdu 610065, Sichuan, China

^c Xinjin Dachuan Intelligent Manufacturing Incubation Center, Chengdu 611430, Sichuan, China

Meiyu Cao and Bingbing Zeng contributed equally to this work

**Corresponding author, E-mail address: zy1990@scu.edu.cn (Yu Zheng)*

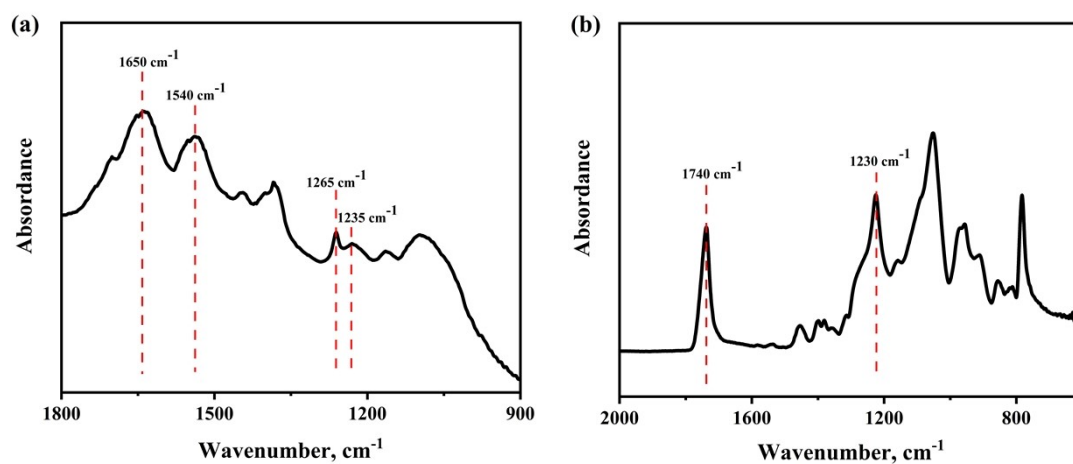


Fig. S1 FTIR spectroscopy of the (a) SF and (b) PPC.

Video S1 showing the comparative shape recovery efficiency of PPC and the PPC-3 blend in a water bath at $37 \text{ }^{\circ}\text{C}$ (MP4)