

Research Article

Yangyi Chen*, Tong Su, Shihang Zhou, Chendi Xie, Huan Qi*, Zaisheng Cai, and Liqun Chen

Structure and transition behavior of crosslinked poly(2-(2-methoxyethoxy) ethylmethacrylate-co-(ethyleneglycol) methacrylate) gel film on cellulosic-based flat substrate

Supplementary material

Table S1: Area values of C 1s detail spectras for TMSC and RC

Materials	Groups		
	–Si(CH ₃) ₃	–C–O–	–O–C–O–
TMSC	68865.4	51464.2	10286.7
RC	13753.0	96089.4	19447.5

Table S2: Thickness values and corresponding R-Square of treated TMSC films by spin-coating with varied concentrations

Factors	Concentrations (mg/mL)				
	10	20	30	40	50
thickness values (nm)	96	126	289	511	756
R-Square	99.23	98.42	98.36	98.43	97.85

* **Corresponding author: Yangyi Chen**, College of Textiles and Apparel, Institute of Smart & Ecological Textile, Quanzhou Normal University, Quanzhou, 362000, China; College of Chemistry and Chemical Engineering, Donghua University, Shanghai, 201620, China, e-mail: yy@qztc.edu.cn

* **Corresponding author: Huan Qi**, College of Textiles and Apparel, Institute of Smart & Ecological Textile, Quanzhou Normal University, Quanzhou, 362000, China, e-mail: qhqh123@126.com

Tong Su, Shihang Zhou, Chendi Xie: College of Textiles and Apparel, Institute of Smart & Ecological Textile, Quanzhou Normal University, Quanzhou, 362000, China

Zaisheng Cai: College of Chemistry and Chemical Engineering, Donghua University, Shanghai, 201620, China

Liqun Chen: Quanzhou Haitian Material Technology Co., LTD, Quanzhou, 362000, China