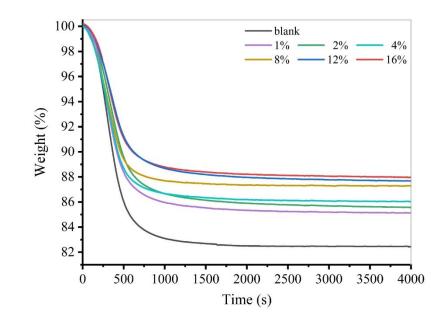
1	Supplementary Information
2	Structure and properties of chitosan/sodium dodecyl sulfate
3	composite films
4	Song Jiang, Congde Qiao*, Xujie Wang, Zhongwei Li* and Guihua Yang
5	School of Materials Science and Engineering, State Key Laboratory of Biobased Material and
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7	250353, PR China
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11 Table S1 The weight loss of composite films with various SDS concentrations at

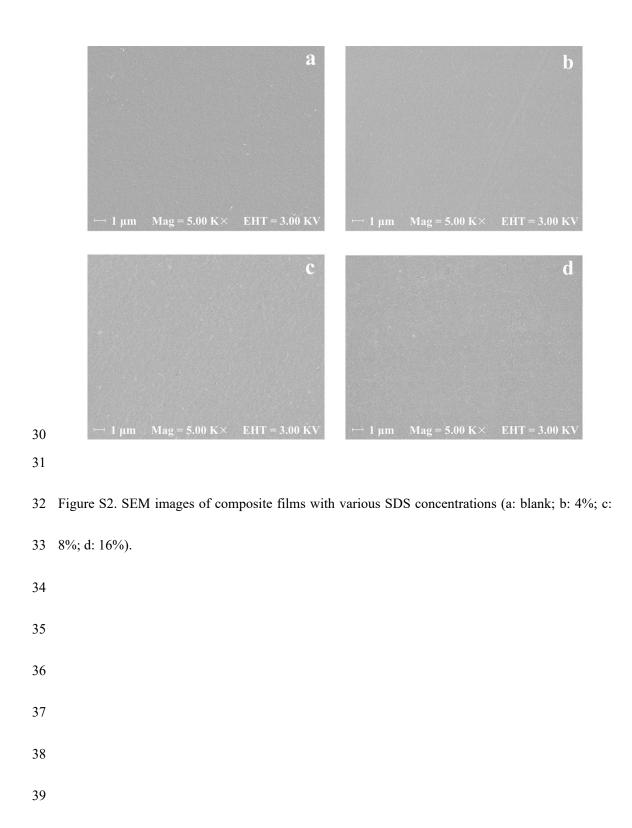
12	different s	tage.
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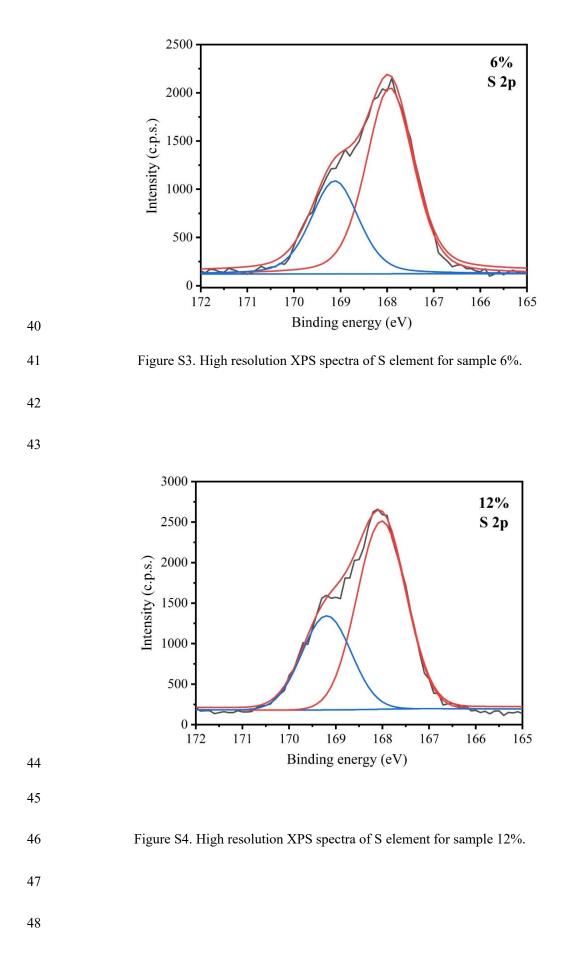
Weight loss(%) at different temperature	140 °C	200 °C	300 °C	600 °C
Blank	18.1383	23.6064	51.8562	68.2447
4%	6.4793	7.8142	57.5293	64.4812
8%	6.1744	7.5111	57.2501	63.9344
16%	4.2294	5.6831	52.1126	57.8248

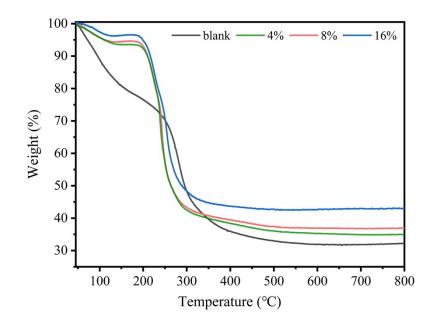


20 Figure S1. Water content of the composite films with various SDS concentrations (Measured at a

21 constant temperature of 120°C using a thermogravimetric analyzer).

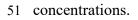








50 Figure S5. Thermal performance characterization of composite films with various SDS



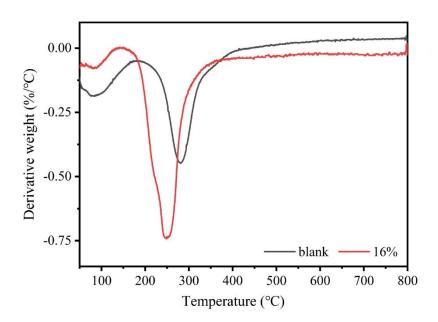


Figure S6. The DTG thermograms of pure chitosan and composite film.

