

Electronic Supplementary Information

Fabrication of flexible polymer-GaN core-shell nanofibers by the combination of electrospinning and hollow cathode plasma-assisted atomic layer deposition

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Table S1. Tensile test results of pristine nylon 6,6 and nylon-GaN core-shell nanofiber mats.

Sample	Nylon 6,6 nanofiber mat	Nylon 6,6-GaN core-shell nanofiber mat
Young Modulus	265.33±26.46 MPa	16.11±1.59 MPa
Ultimate Stress (Tensile Strength)	23.08±6.73 MPa	1.83±0.17 MPa
Elongation at Break	21.63±5.77%	0.61±0.12%

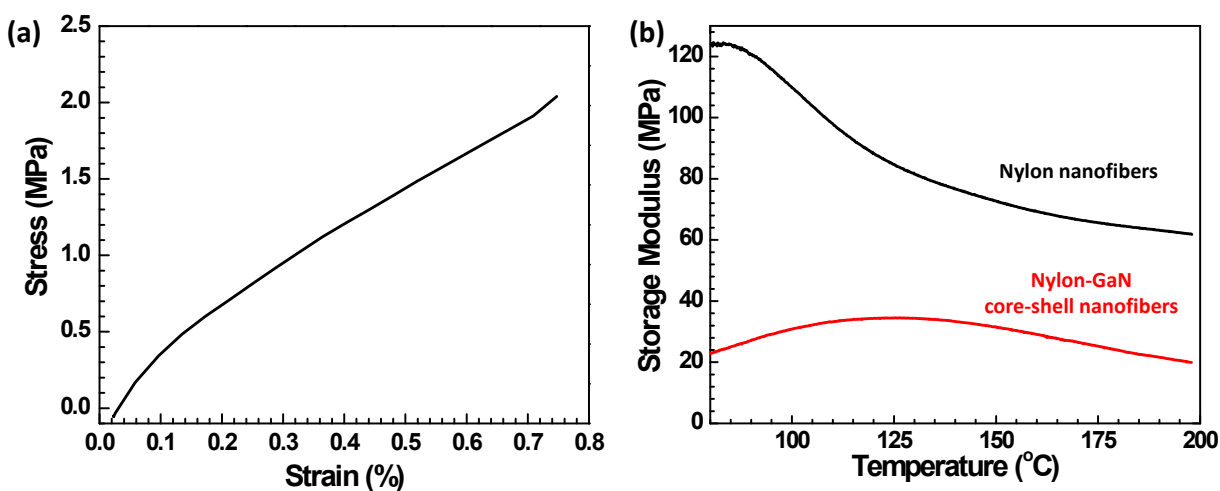


Figure S1. DMA results: (a) stress vs. strain plot of nylon-GaN core-shell nanofiber mat, and (b) storage modulus vs. temperature plots of pristine nylon 6,6 and nylon-GaN core-shell nanofiber mats.