## SUPPLEMENTARY INFORMATION

## Rheological behavior of Pluronic/Pluronic diacrylate hydrogels used for bacteria encapsulation

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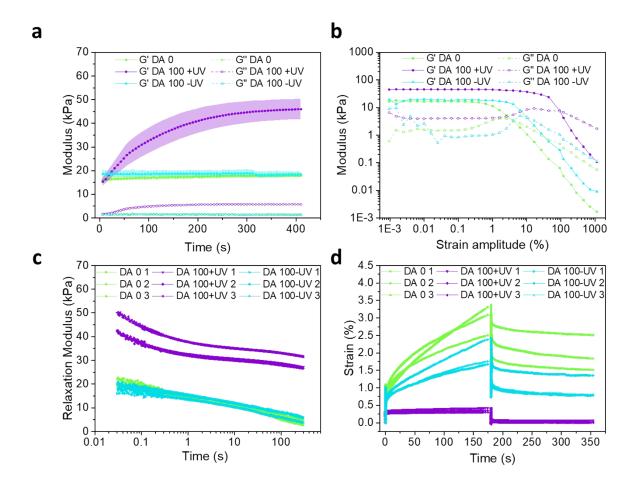
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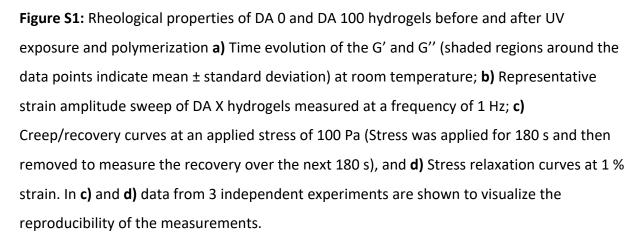
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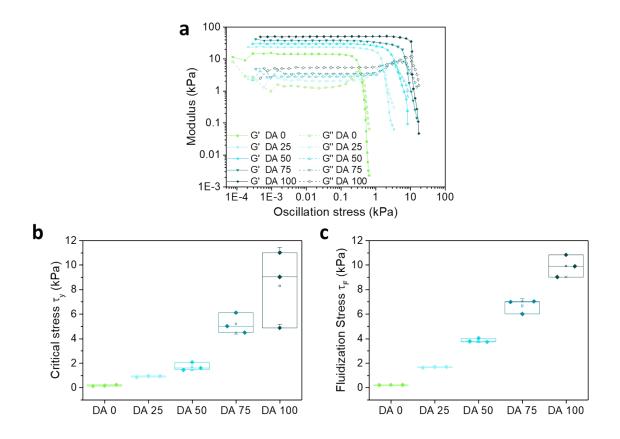
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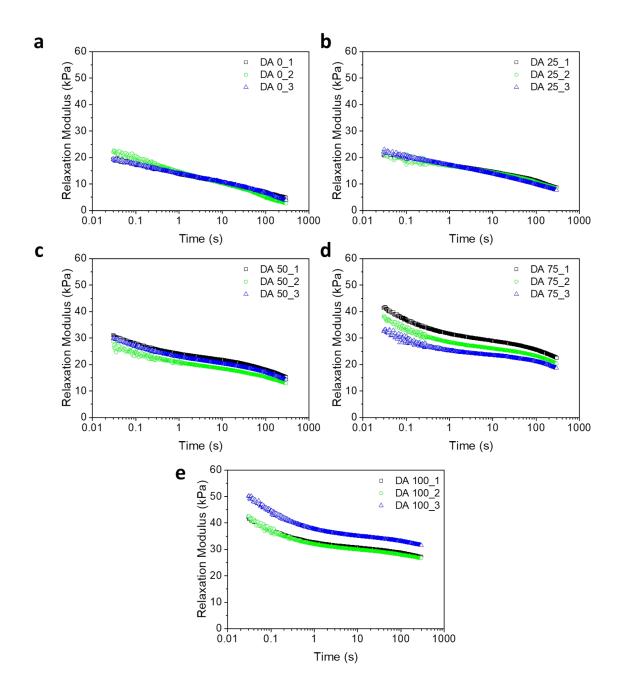
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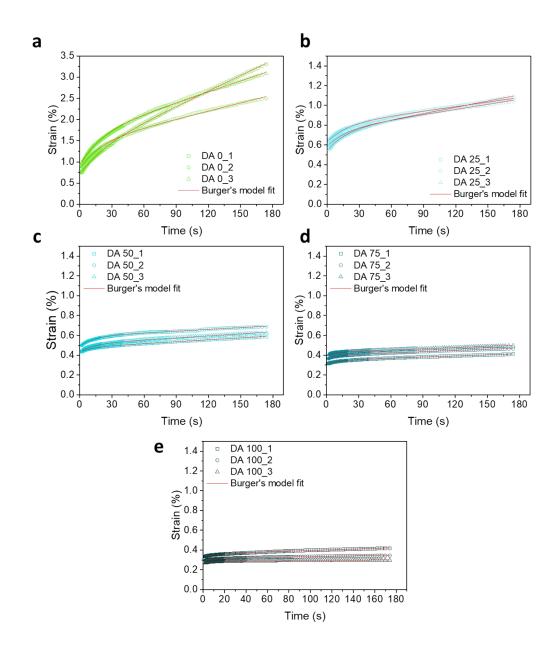




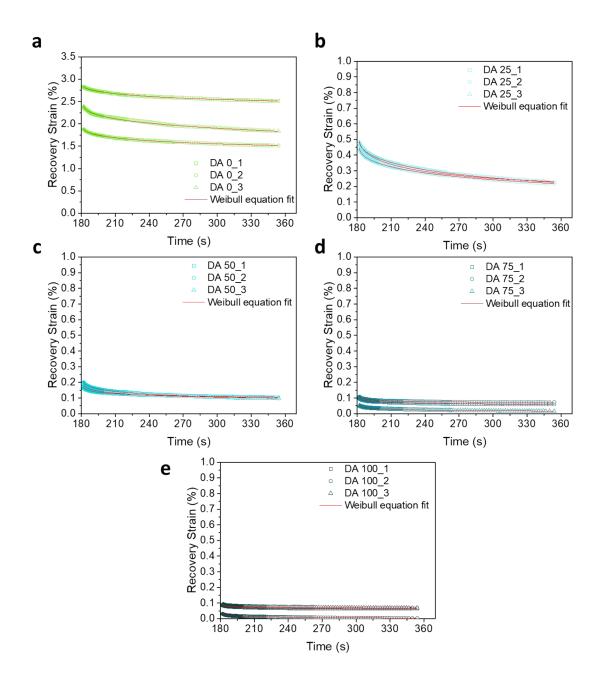
**Figure S2. a)** Representative stress sweeps and the corresponding **b)** yield stress,  $\tau_y$ , and **c)** stress at fluidization point,  $\tau_F$  with increasing DA content in the hydrogels.



**Figure S3:** Stress relaxation curves of the DA 0-100 hydrogels at strain of 1% from three consecutive experiments used for the fitting in **Figure 3**.



**Figure S4:** Creep strain and corresponding burgers model (**Eq. 2**) fits for the DA0-100 hydrogels.



**Figure S5:** Recovery strain and corresponding fits to the Weibull equation (**Eq. 3**) for DA0-100 hydrogels.