

Electronic Supplementary Information (ESI)

**Piezoelectric poly(vinylidene fluoride) tube featuring highly-sensitive and isotropic piezoelectric output to compression**

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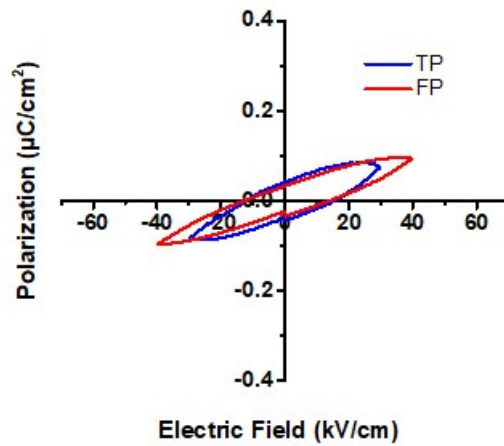


Figure S1 the hysteresis loop of FS and TS samples at 1Hz.

For easy measurement, the tube was cut and compressed into a plate-like sample with an area size of  $5 \times 5$  (length  $\times$  width)  $\text{mm}^2$  and a thickness of 0.27 mm. The polarization-electric field (P-E) hysteresis loop was conducted using a standardized ferroelectric test system at room temperature and a frequency of 1 Hz. Obviously, PVDF-HFP tube and film demonstrated an instantaneous remanent polarization of  $\sim 0.04 \mu\text{C}/\text{cm}^2$ , which was an important indicator for piezoelectric output.

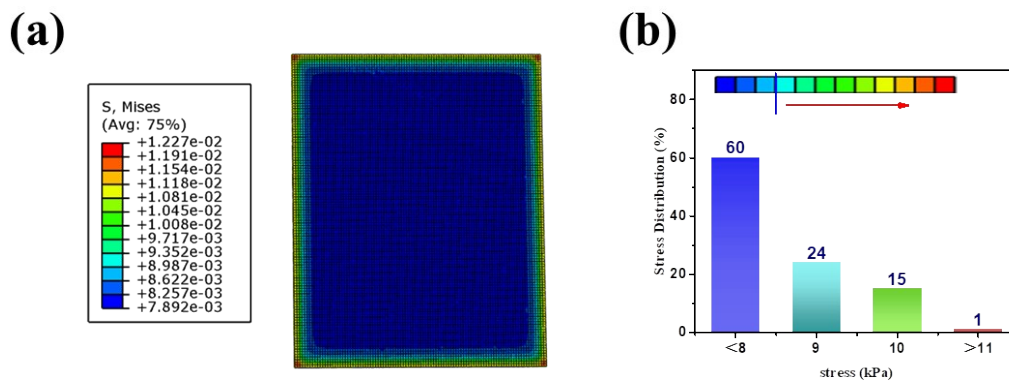


Figure S2 Two-dimensional stress distribution pattern (a) and statistic results of stress distribution (b) at the corresponding load threshold of 1.25N.