

**Supporting Information.**

# Eco-designed conformable Inorganic Electronics to Improve the Smart Object End of Life: sensor's processing and applications.

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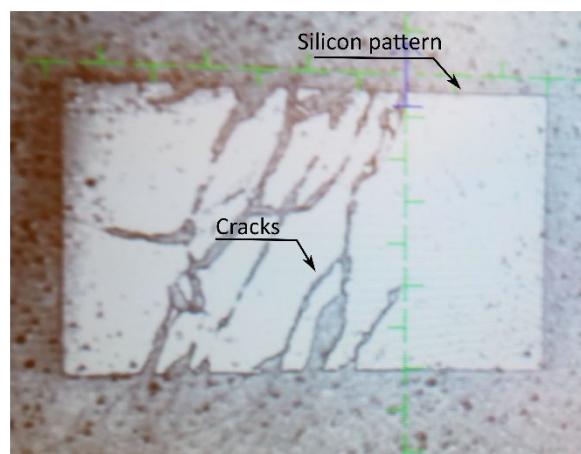
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**Table S1** Mechanical characteristics of inorganic material that constitute the strain sensor

Material	Young modulus	Thickness
Polyimide	5GPa	25μm
PVA	1.9GPa	30μm
Silicon	80GPa	100nm

**Figure S1:** Optical picture of cracks in silicon thin films due to an excess of strain.



**Figure S2:** Setup used to deform and acquire the strain sensor electrical signal.

