

## **Enhanced Shape Memory Performance of Polyurethanes via the Incorporation of Organic or Inorganic Networks**

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## Supporting Information

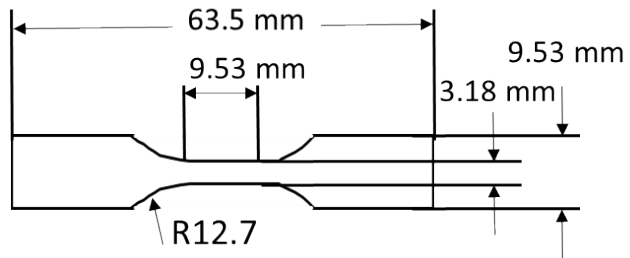


Fig S1. ASTM D638 specification for tensile strength measurements.

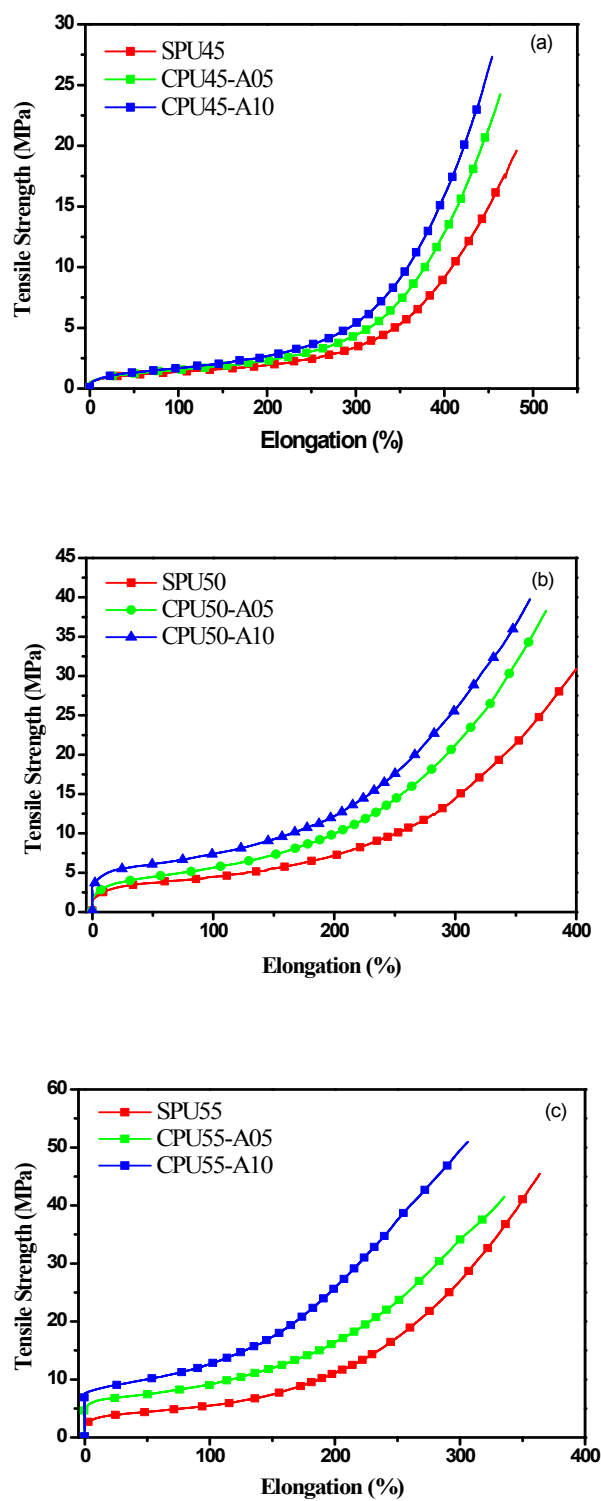


Figure S2. Tensile strengths of the CPU samples.

Shape memory test condition:

The shape memory test was employed to evaluate the shape fixity and shape recovery performances. In the beginning, the painted red PU samples were deformed and wound around a rod at a deformation temperature ( $T_{\text{def}} = 70\text{ }^{\circ}\text{C}$ ), and annealed for 15 s. Subsequently, the samples were cooled to a fixed temperature ( $T_{\text{fix}} = 10\text{ }^{\circ}\text{C}$ ) for 15 s. After that, the samples were heated to  $70\text{ }^{\circ}\text{C}$  again. The recovery of the deformed PU samples was observed as a function of time.