

Electronic Supplementary Material

Movie S1 Formation of air cushion during immersion of PDMS sponge in water

Movie S2 Removal of oil red O colored hexane on water surface with PDMS sponge produced by soft-template method.

Movie S3 Removal of oil red O colored chloroform with PDMS- sponge produced by soft-template method.

Movie S4 Recovery of absorbed oil from sponge produced by soft-template method by squeezing.

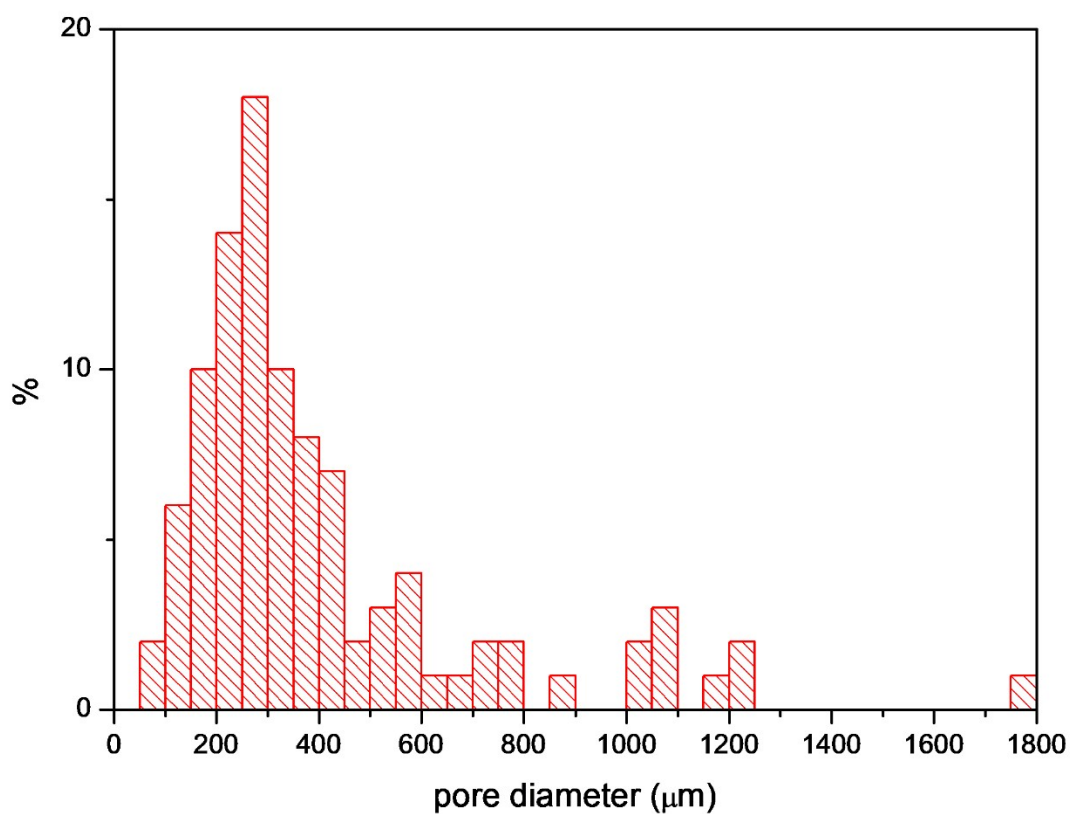


Figure S1 Pore size distribution of the PDMS sponge prepared from a continuous phase consisting of PDMS prepolymer and thermal curing agent in a ratio of 10:1 by weight and hexane/prepolymer ratio equal to 8:2

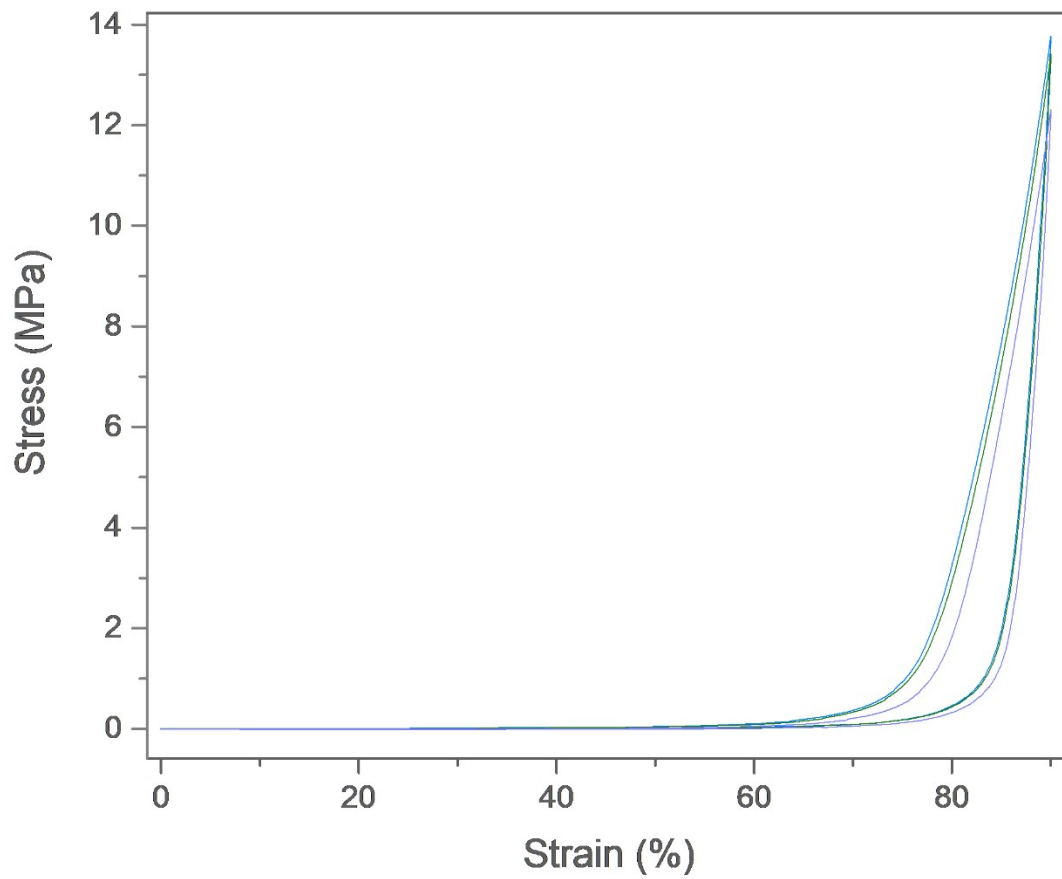


Figure S2 Compressive stress strain curve at 90% strain of PDMS sponge after 1 (blue curve), 200 (green curve) and 300 (violet curve) cycles