Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

A "hairy" polymer/3D-foam hybrid for flexible high performance thermal gap filling applications in harsh environment

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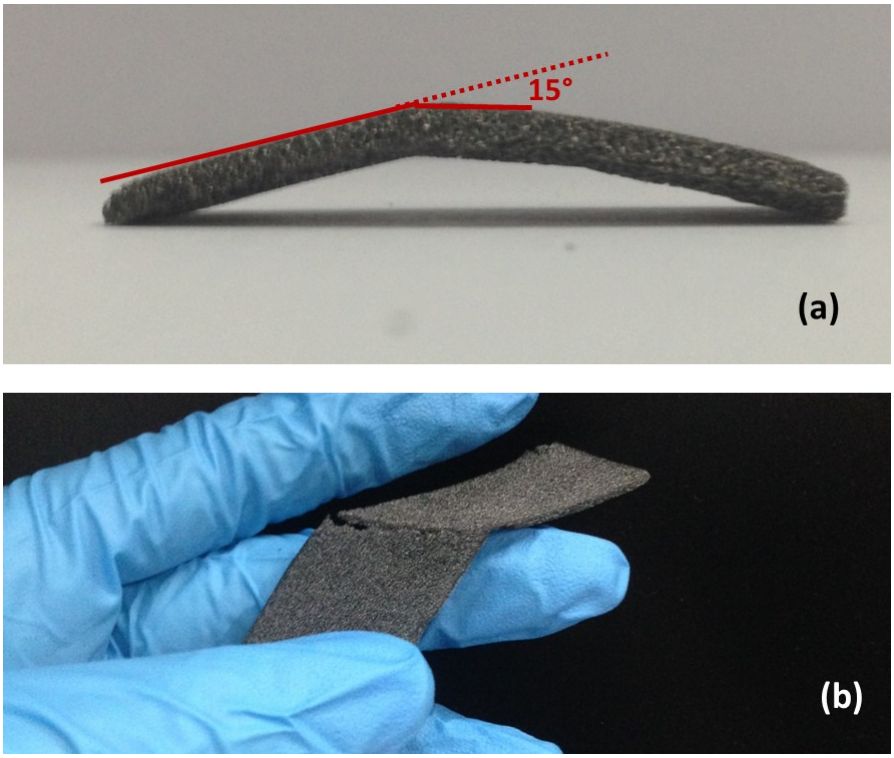

Figure S1. Bending studies on bare 3D-foam. **(a)** Point of break, at 15°, **(b)** broken sample.

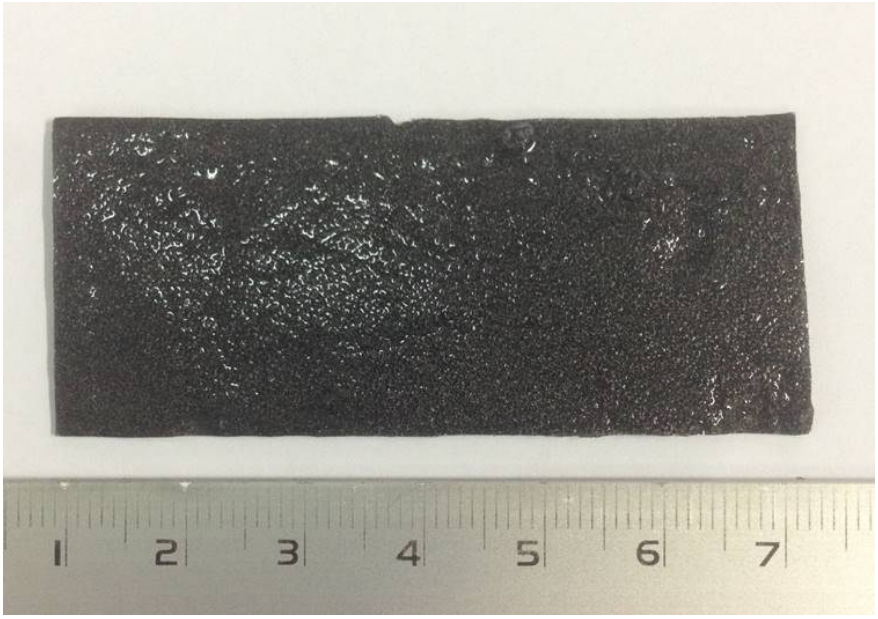

Figure S2. Optical image of 3D-C infused with PDMS using conventional method

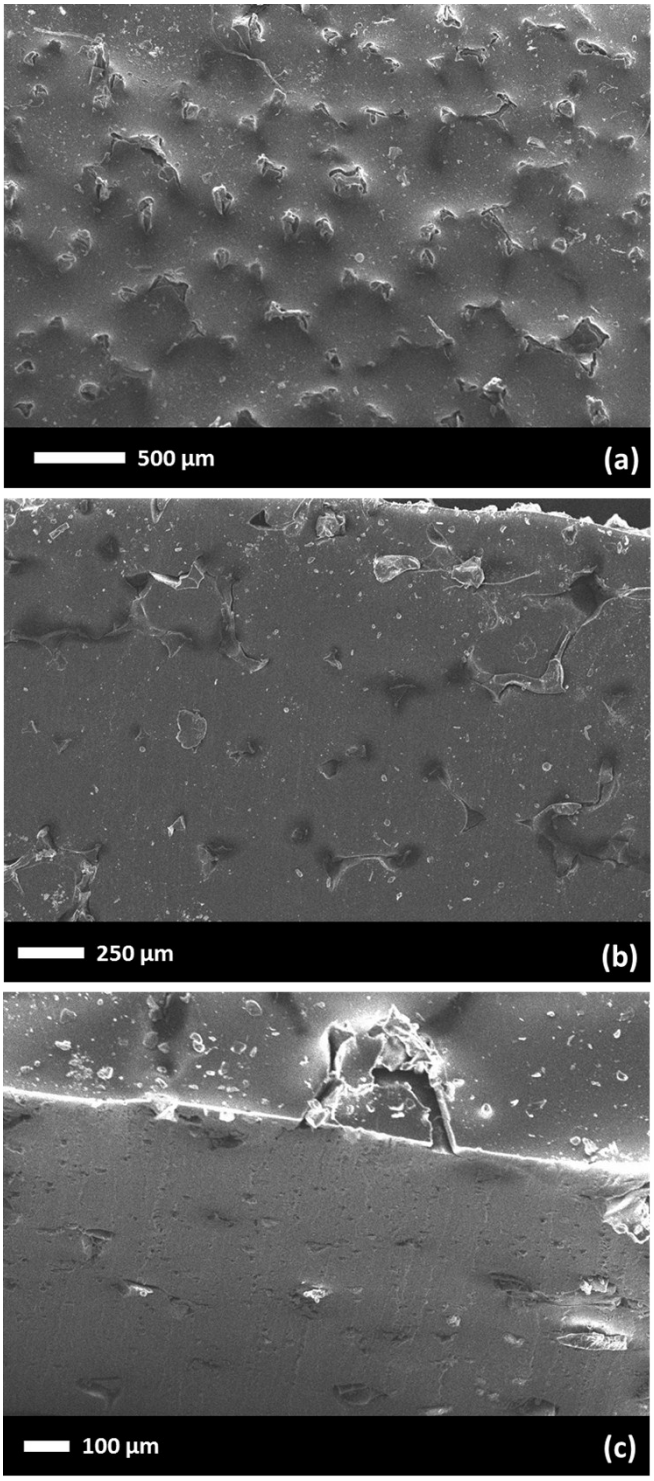

Figure S3. SEM imaged of 3D-foams infused with PDMS using conventional method. (a) top view, (b) cross section, (c) tilted view of the edge.

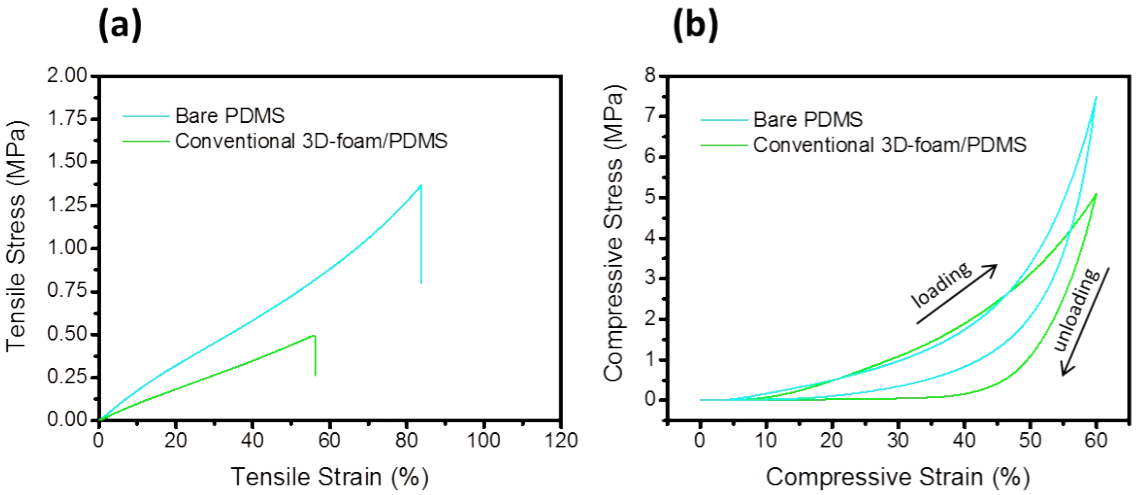

Figure S4. Mechanical results of bare PDMS and conventional 3D-foam/PDMS composite **(a)** tensile, **(b)** compression.