

Fabrication, characterisation and modelling of uniform and gradient auxetic foam sheets

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Published version

DUNCAN, Oliver, ALLEN, Tom, FOSTER, Leon, SENIOR, Terry and ALDERSON, Andrew (2017). Fabrication, characterisation and modelling of uniform and gradient auxetic foam sheets. *Acta Materialia*, 126, 426-437.

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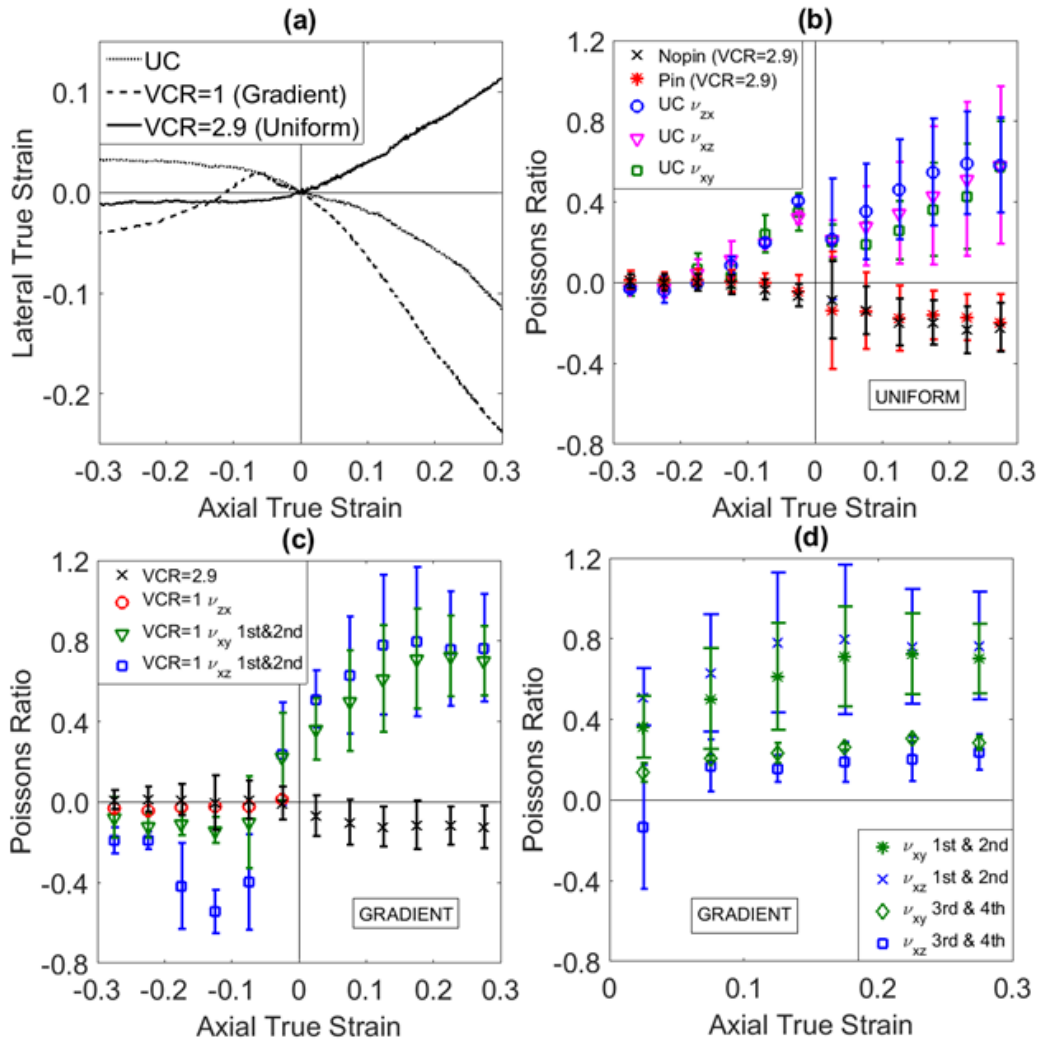


Figure 4: PR responses. a) Lateral vs axial true strain for VCR=2.9 uniform triaxially-compressed sample converted with pins, unconverted (UC) sample and VCR=1 gradient sheet sample, b) PR vs axial true strain for UC and uniform triaxially-compressed samples, c) PR vs axial true strain for gradient sheet samples (VCR=1 tensile data from 1st and 2nd tests performed on each sample – see text) and d) PR vs axial true strain for all tensile tests on VCR=1 region (gradient foam), grouped according to tests 1 and 2, and tests 3 and 4 – see text). Error bars = 1 S.D.