

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

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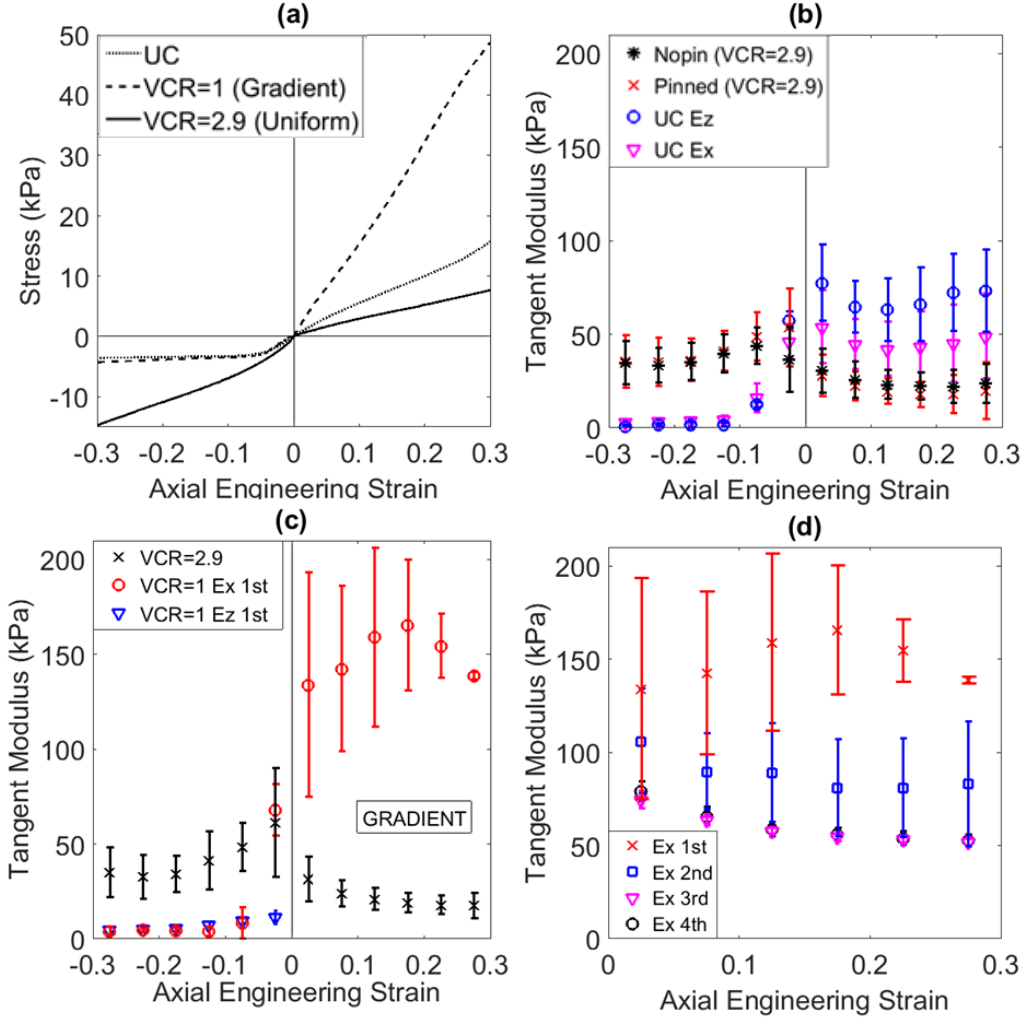


Figure 5: Tangent moduli responses. a) Stress vs axial engineering strain for VCR=2.9 uniform triaxially-compressed sample converted with pins, unconverted (UC) sample and VCR=1 gradient sheet sample, b) Tangent modulus vs axial engineering strain for UC and uniform triaxially-compressed samples, c) Tangent modulus vs axial engineering strain for gradient sheet samples (VCR=1 tensile data from 1st test performed on each sample) and d) Tangent modulus vs axial engineering strain for all tests on VCR=1 region (gradient foam), separated into test number. Error bars = 1 S.D.