

Supplementary Information

Impact absorption properties of carbon fiber reinforced bucky sponges

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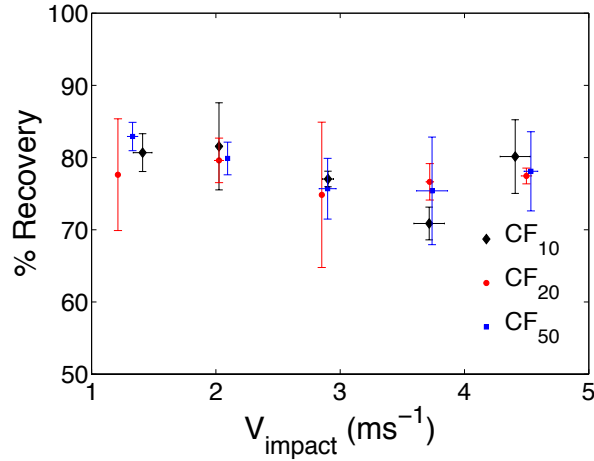


Figure S1: Recovery of the bucky sponge samples with varying impact velocities.

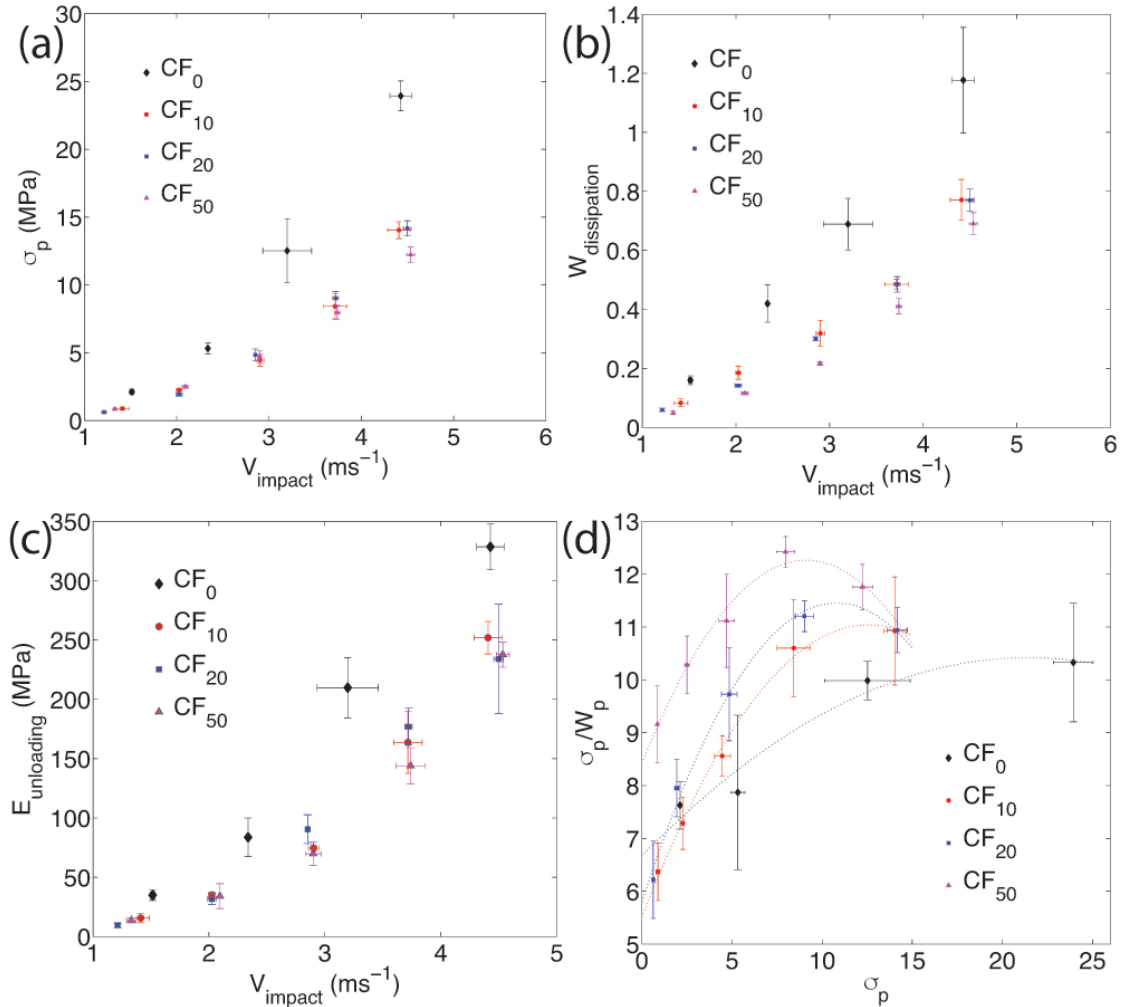


Figure S2: Dynamic properties of the CF-reinforced bucky sponges compared to the control sample (CF₀): **(a)** variation of peak stress with impact velocity; **(b)** variation of hysteretic energy dissipation with impact velocity; **(c)** variation of unloading modulus with impact velocity; **(d)** variation of dynamic cushion factor with peak stress.

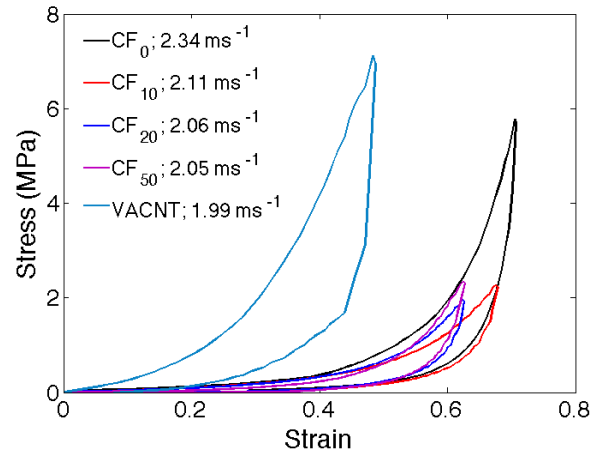


Figure S3: Dynamic stress-strain responses of bucky sponges compared to that of a VACNT foam of similar density.