Electronic Supplementary Material (ESI) for Soft Matter

Structure and Rheology of Nanoparticle/Polymer Suspensions

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Supplementary Information

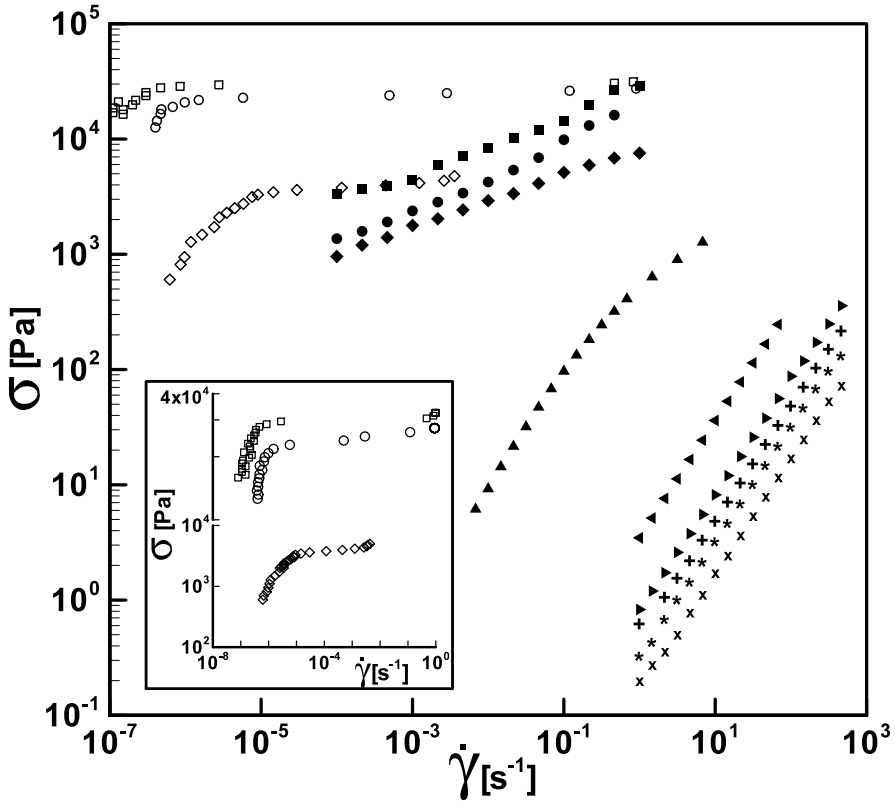

Fig.S1 Shear stress vs. rate for PEG–SiO_2/PEG suspensions with D = 10 nm cores and ϕ_c as indicated in the Figure 4. Filled and open symbols correspond to measurements from constant shear rate and constant stress measurements, respectively. Inset: shear stress vs. rate from the stress sweep measurements for the jammed PEG–SiO_2/PEG suspensions with adjusted scaling.

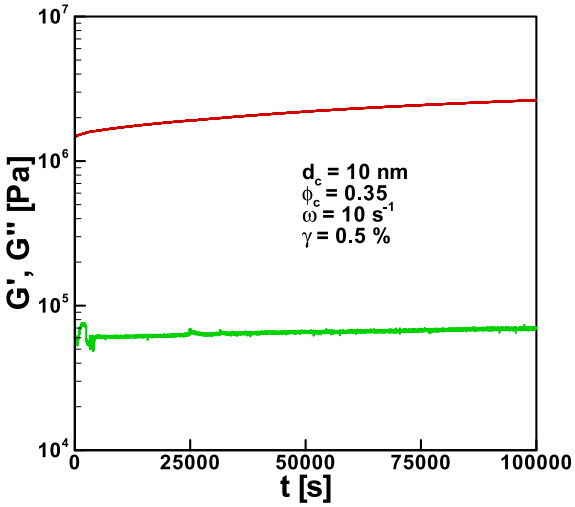

Fig.S2 Dynamic shear modulus of PEG–SiO_2/PEG suspensions with D = 10 nm cores and ϕ_c = 0.35 as a function of time. The results show that these suspensions age with time, but the ageing effects are negligible in comparison to those reported for other jammed examples of jammed matter.