Supporting Informations for

Physicochemical characterization of partially hydrolyzed Poly(vinyl acetate)-borate aqueous dispersions

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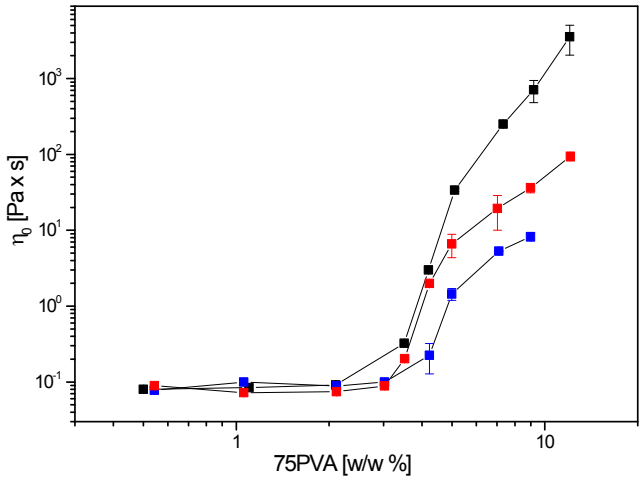
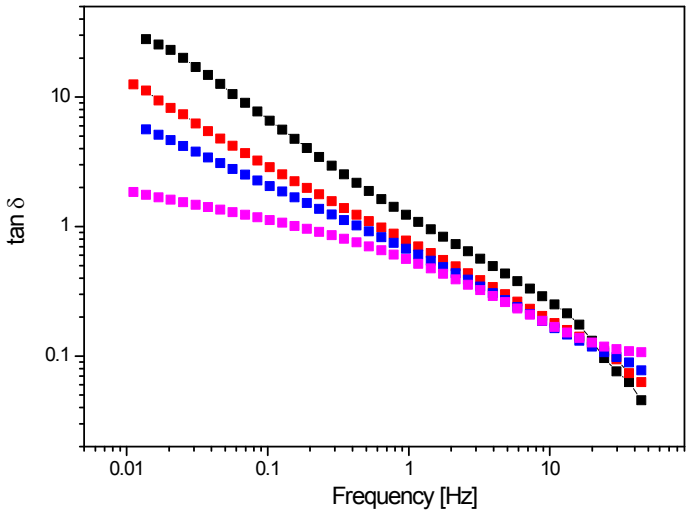
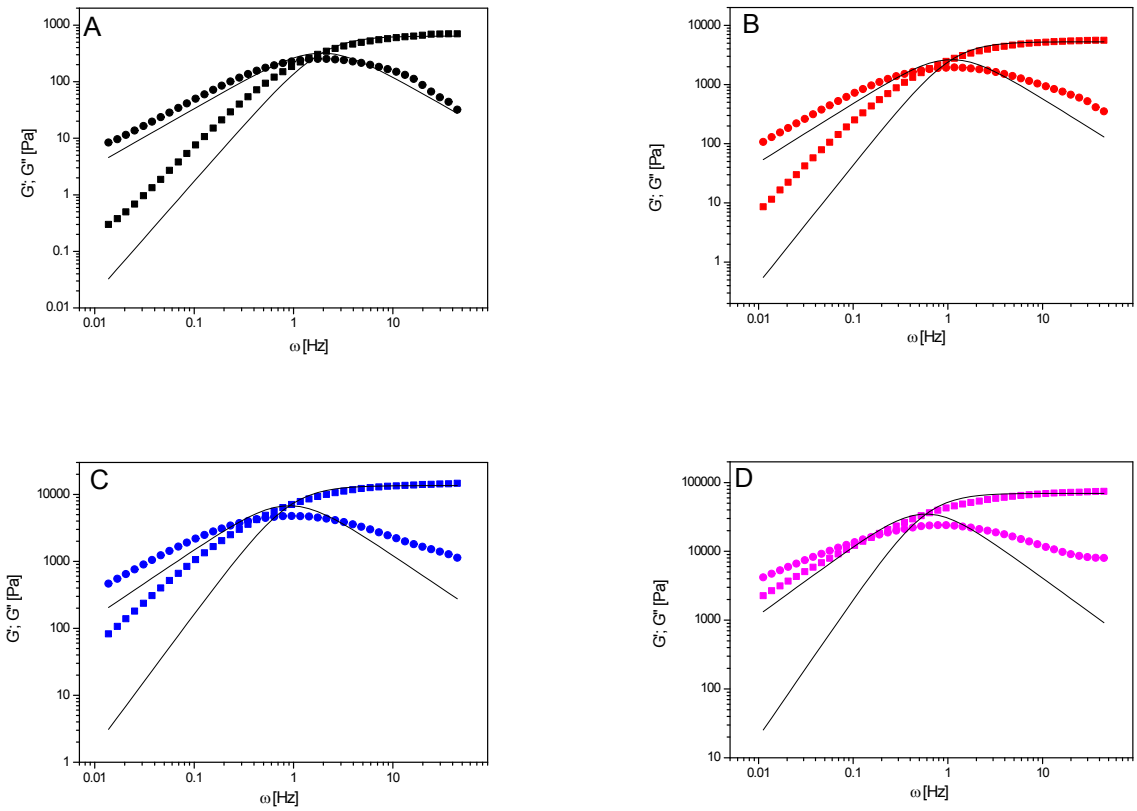


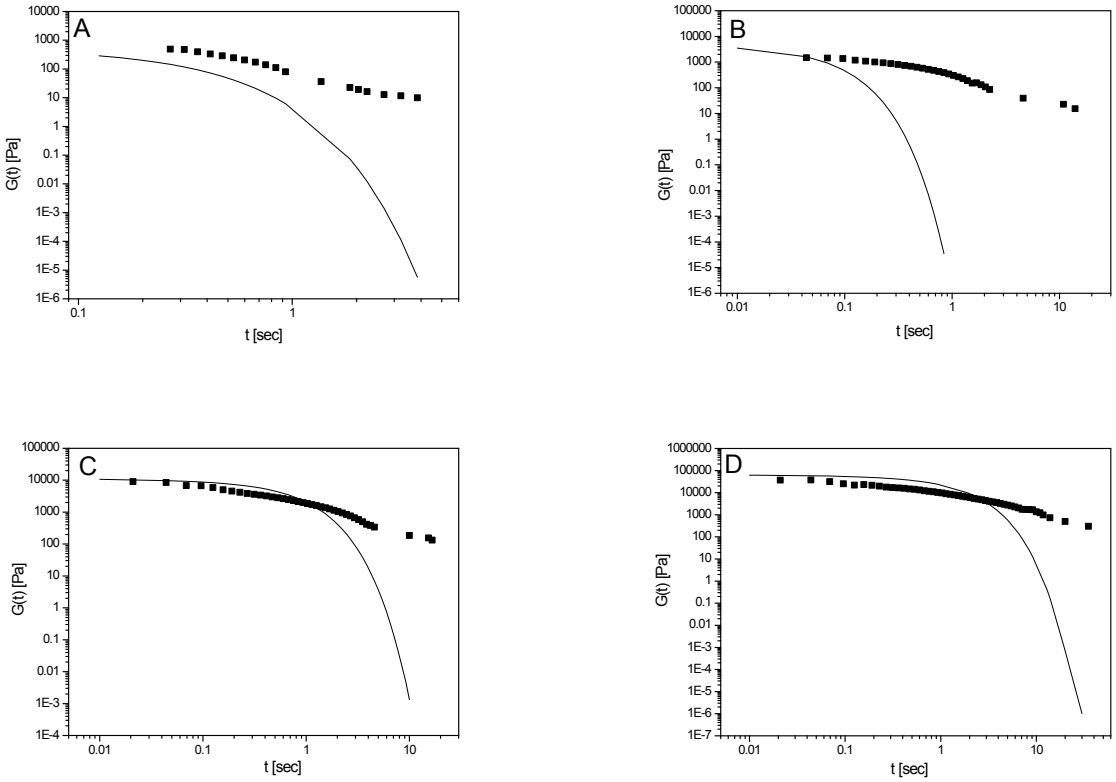
SI 1. Plots of η_0 versus 75PVAc concentration in H_2O for HVPDs obtained with 75PVA at 20:1 (black curves), 34:1 (red curves) and 51:1 (blue curves) [75PVAc]/[Borax] ratios.



SI 2. Complex viscosity of 75PVA-borax based HVPDs at 5 (black), 7 (red), 9 (blue) and 12 (purple) wt% 75PVA concentration.



SI3. Frequency sweep curves of the 75PVA-borax based aqueous HVPDs at 5 (A) 7 (B) 9 (C) and 12 (D) wt% 75PVA concentration. Squared symbols indicate the elastic modulus G', circles indicate the loss modulus G". Continuous lines indicate the best fitting curves obtained with the single-element Maxwell model. The ($OH/B(OH)_4^-$) ratio was kept equal to 20.4:1 for all the investigated samples.



SI 4. Experimental stress relaxation modulus *G(t)* of the 75PVA-borax based aqueous HVPDs at 5 (A) 7 (B) 9 (C) and 12 (D) wt% 75PVA concentration. Squared symbols indicate the experimental data; continuous lines correspond to the best fitting curves obtained with the Doi-Edwards model (see eq.3 in the main text).