

Supplementary

Impact of initial solvent on thermal stability and mechanical properties of recombinant spider silk films

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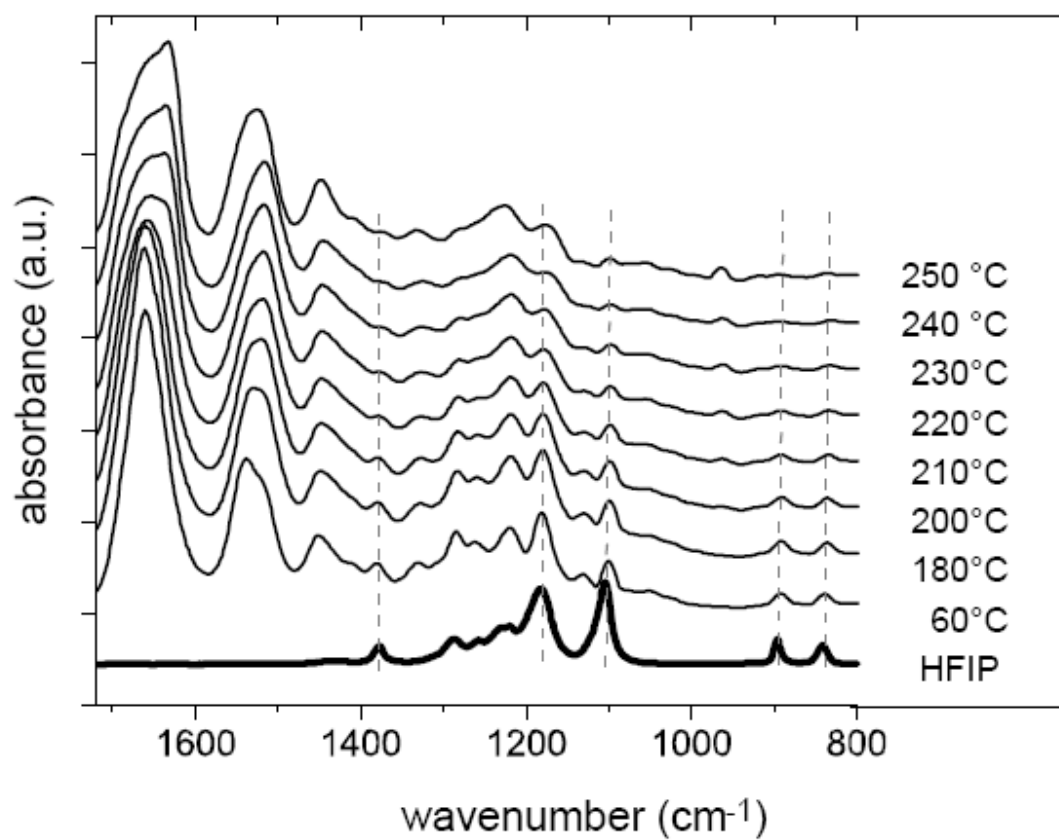


Figure S1: FTIR spectra of eADF4(C16) films cast from HFIP at different temperatures. The evaporation and removal of the solvent HFIP (lower curve) can be followed by the indicated characteristic peaks.

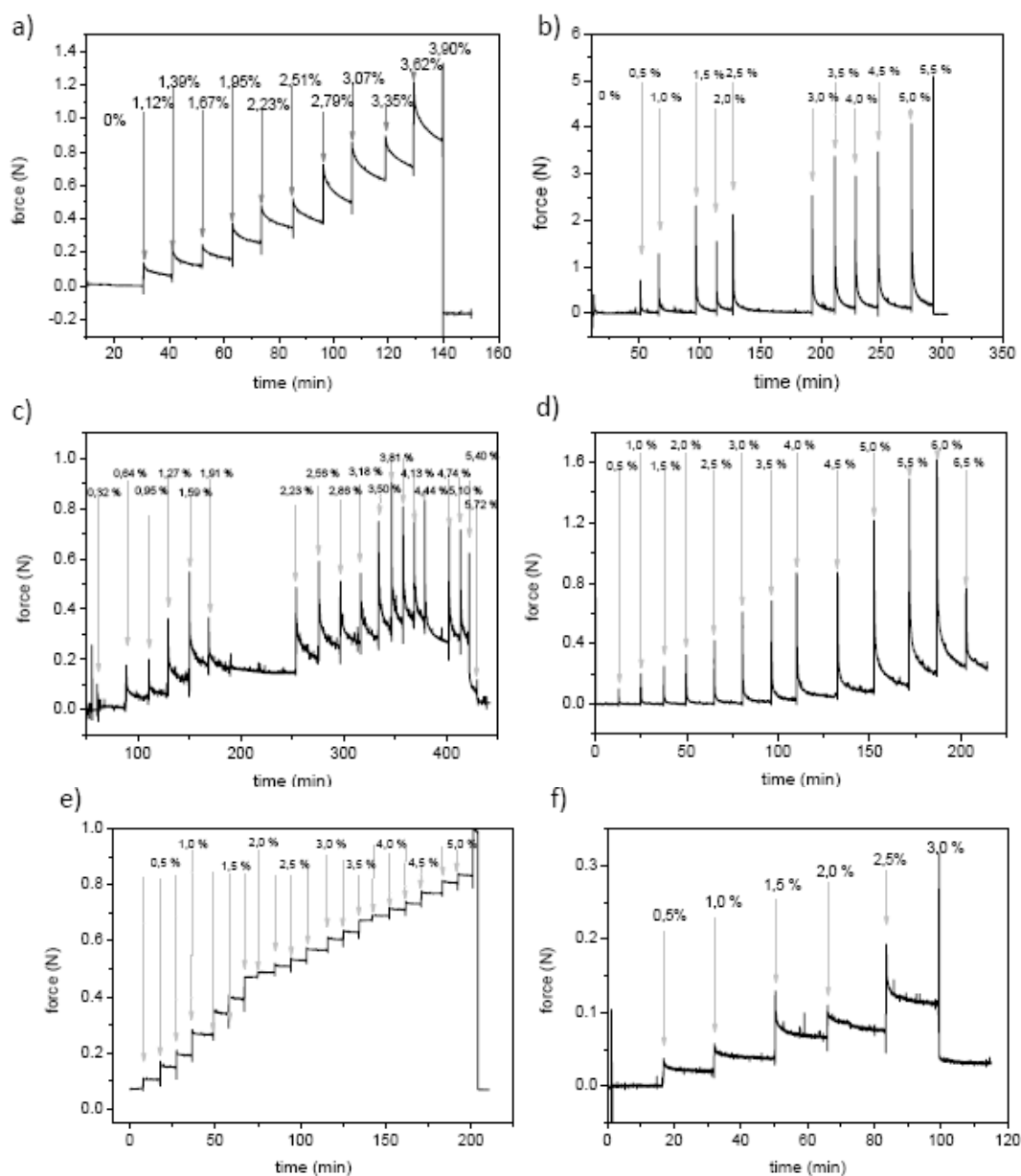


Figure S2: Force curves obtained by simultaneous stretching / FTIR measurements. Films were glued to an apparatus (see experimental), stretched stepwise by a micrometer screw (reflected by a sharp increase in force), allowed to relax and analyzed by FTIR. Films cast from FA as cast (a) and methanol treated (b); films cast from aqueous solution before (c) and after (d) methanol treatment; HFIP films as cast (e) and methanol treated (f).