

Supplementary Material

Anti-frothing effect of poultry feathers in bio-based, polycondensation-type thermoset composites

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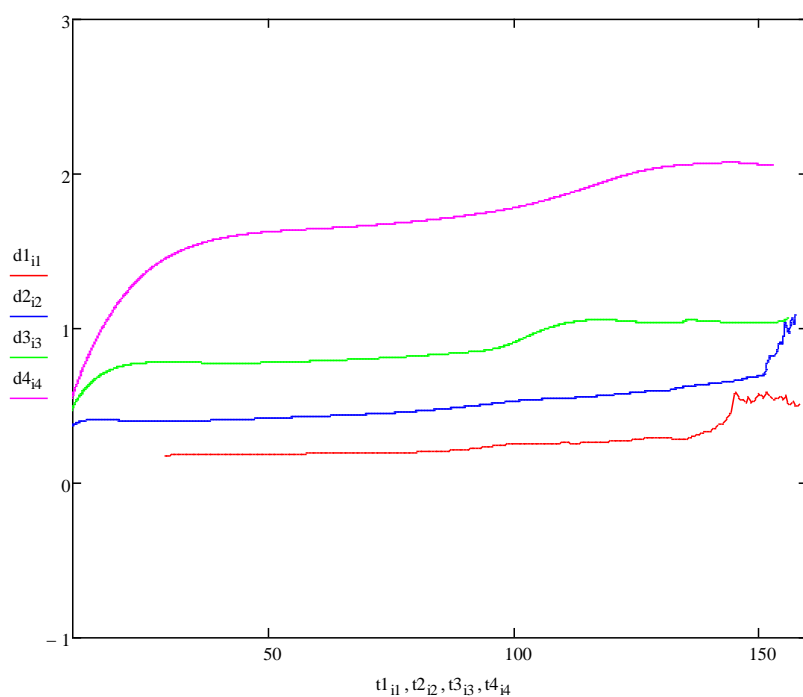


Figure S1. DSC trace of the reaction Cp1-1.

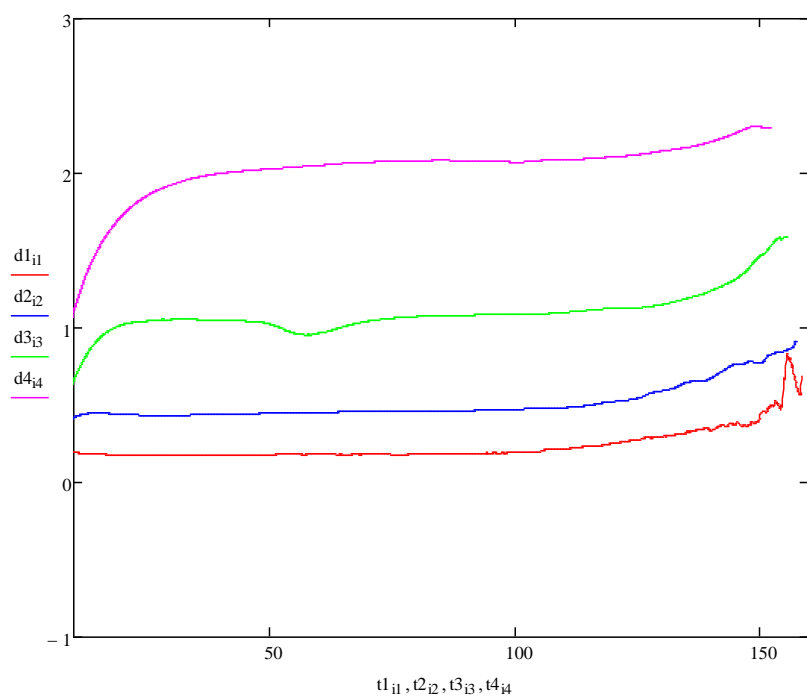


Figure S2. DSC trace of the reaction Cg1-1.

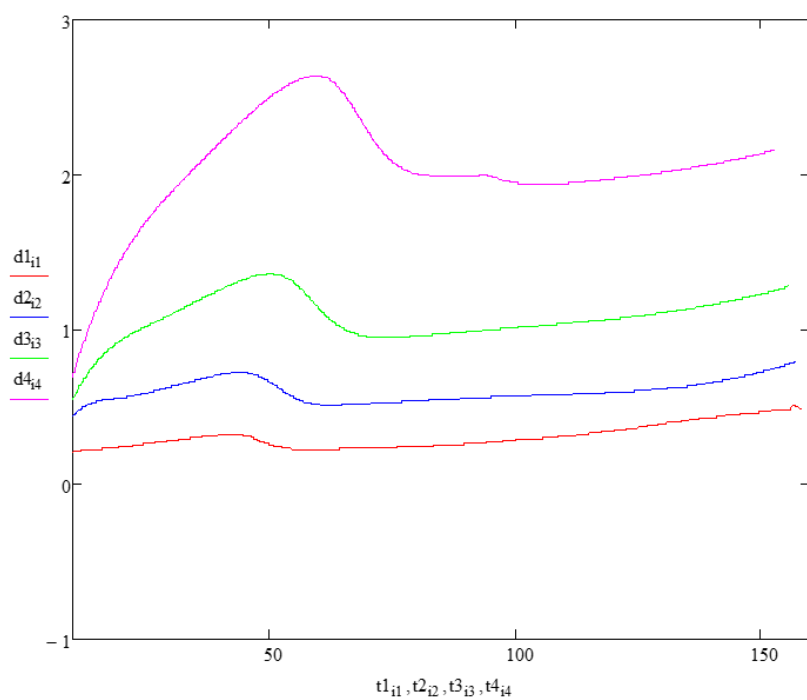


Figure S3. DSC trace of the reaction Gp1-1.

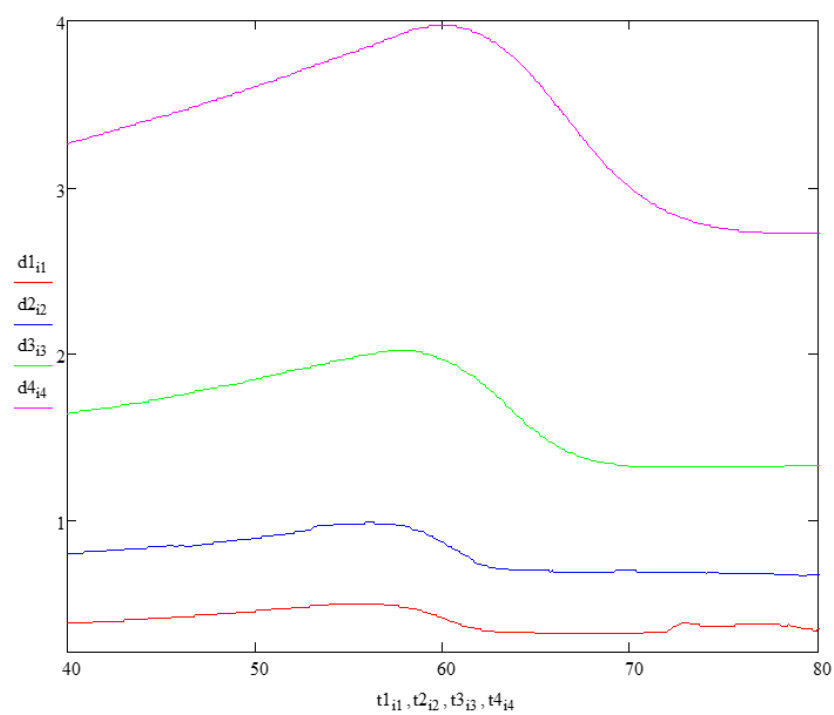


Figure S4. DSC trace of the reaction Gg1-1.



Figure S5. Optical appearance of the Gg1-1 specimen with increasing feather content. From left to right: 0 (Gg1-1), 5, 10, and 20 wt% (Gg1-1F). The first and the last sample are taken from a series that was used to assess the tensile properties (cf. Tab. F and Figs P, S6, S7).



Figure S6. The 3 Cg1-1F samples after tensile testing.

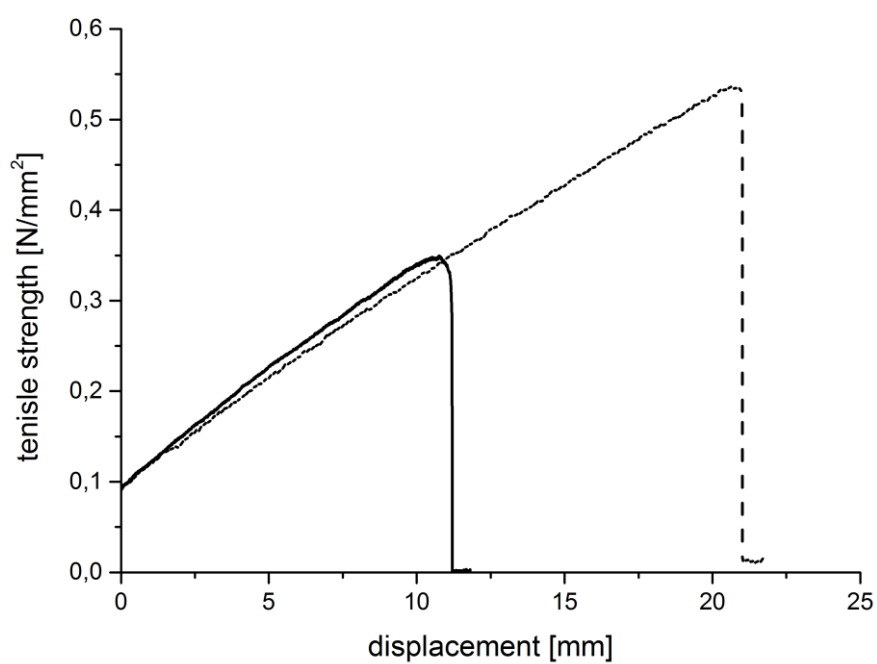


Figure S7. Tensile test of the Gg1-1 mixture. The sample appearance is shown in Figure S5, leftmost sample.

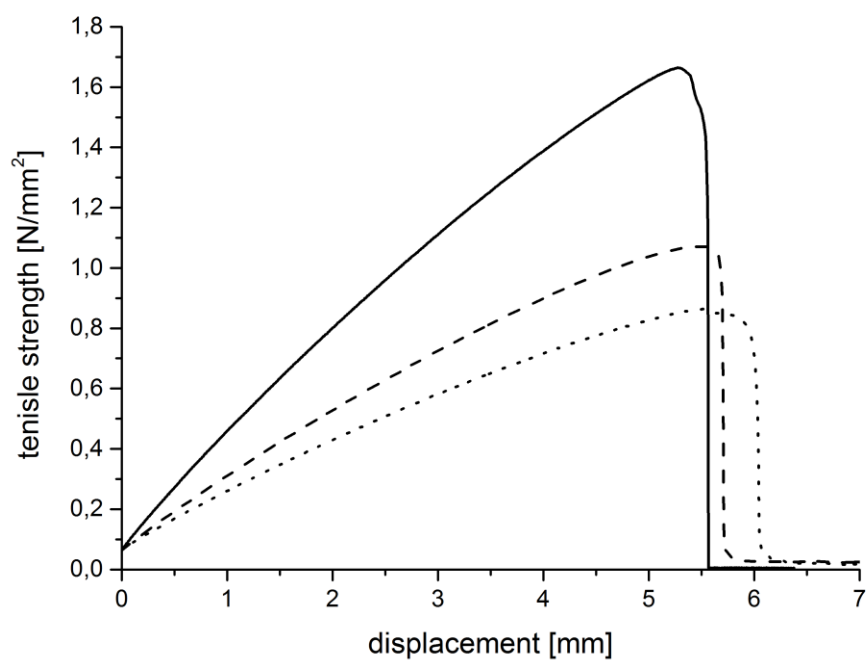


Figure S8. Tensile test of the Gg1-1F mixture containing 20 wt% feather shreds. The sample appearance is shown in Figure S5, rightmost sample.

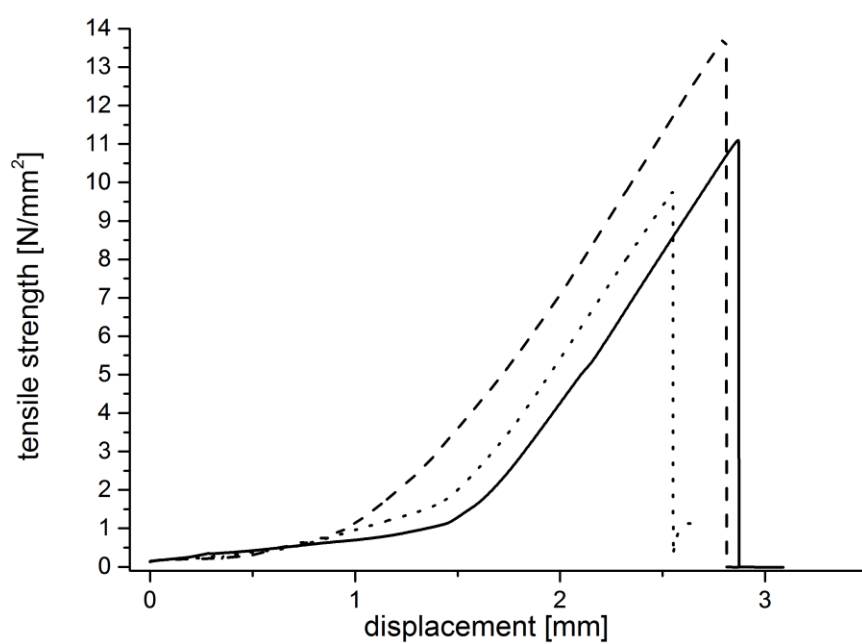


Figure S9. Tensile test of the Cg1-1F mixture containing 20 wt% feather shreds.

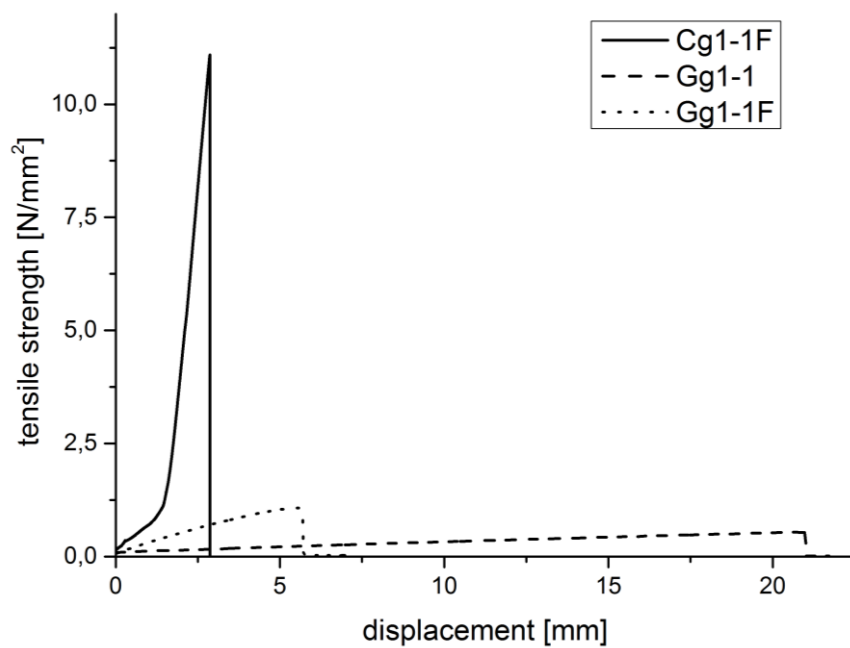


Figure S10. Comparison of the stress-strain curves for the mixtures listed in Table 2.

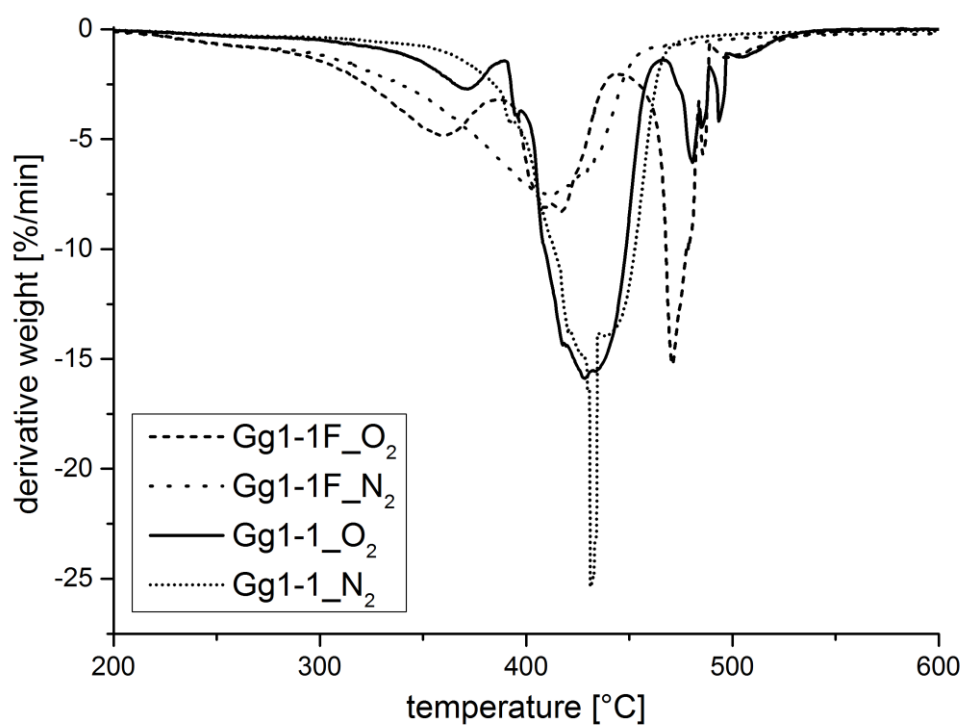


Figure S11. DTG curves of the Gg1-1 series.

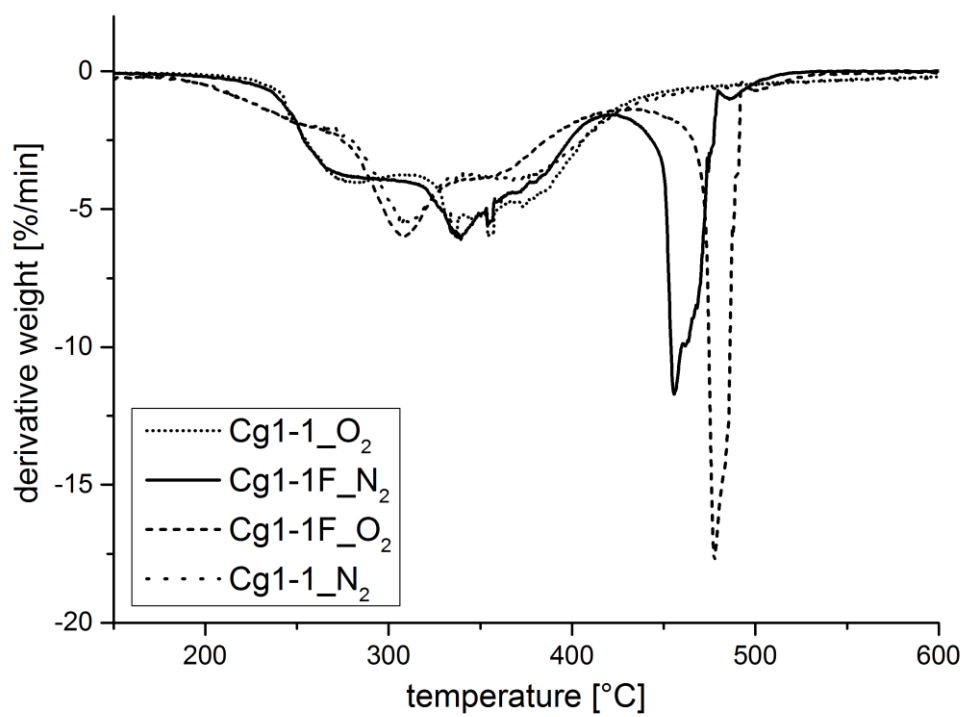


Figure S12. DTG curves of the Cg1-1 series.