Supporting Information

Thermal Annealing Effects on the Mechanical Properties of Bio-based 3D Printed Thermosets

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Figure S3. ¹H NMR of GuGE.







Figure S6. ¹H NMR of VGEA.



Figure S7. ¹³C NMR of VGEA.











Figure S11. ESI-MS of EGEA.

m/Z



Figure S12. ¹H NMR of GuGEA.



Figure S13. ¹³C NMR of EGEA.



Figure S14. ESI-MS of GuGEA.



Figure S15. ¹H NMR of DGEVDA.







Figure S17. ¹³C NMR of DGEVDA.









printed and annealed thermosets.











Figure S23. Gel content and swelling experiments in different solvents for A) as printed (solid) and B) annealed (dashed) samples of VGEA+20DGEVDA.







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Figure S27. Tensile testing of the varied VGEA+DGEVDA ratio thermosets. A bar plot comparison of the obtained A) Strain at break, B) UTS and C) Young's modulus, as well as D) the stress-strain plot.



Figure S28. Self-healing experiments for the varied VGEA+DGEVDA ratio thermosets at A) 120°C and B) 180°C (scale bar 400 μm).



Figure S29. SEM (LEO 1530 VP) images of the self-healing experiment for the GuGEA+20DGEVDA thermoset at 180°C (scale bar 200 μ m).



Figure S31. Additional reprocessing experiments for extended times at 140 °C and 1500 psi for 24 h.