

Supporting information

A facile strategy to achieve fully bio-based epoxy thermosets from eugenol

Chien-Han Chen^{||§}, Shih Huang Tung^{||§}, Ru Jong Jeng^{*||§}, Mahdi M. Abu-Omar[†], Ching-Hsuan Lin^{**§}

[§]Advanced Research Center for Green Materials Science and Technology, National Taiwan University, Taipei 10617, Taiwan.

^{||}Institute of Polymer Science and Engineering, National Taiwan University, Taipei, Taiwan.

[†]Department of Chemistry and Biochemistry, University of California, Santa Barbara, California 93106, United States.

[‡]Department of Chemical Engineering, National Chung Hsing University, Taichung, Taiwan.

Table of Contents

Fig. S1. FTIR spectra of synthesized monomers in this work.	S2
Fig. S2. A typical stress-strain curve of SC(3) and (3)/DDM.....	S3
Fig. S3. (a) DMA and (b) DSC thermograms of (x)/DDM.....	S4
Fig. S4. TGA thermograms of (x)/DDM.	S5
Fig. S5. Enlarged FTIR spectra of (4) and (4)/DDM.....	S6

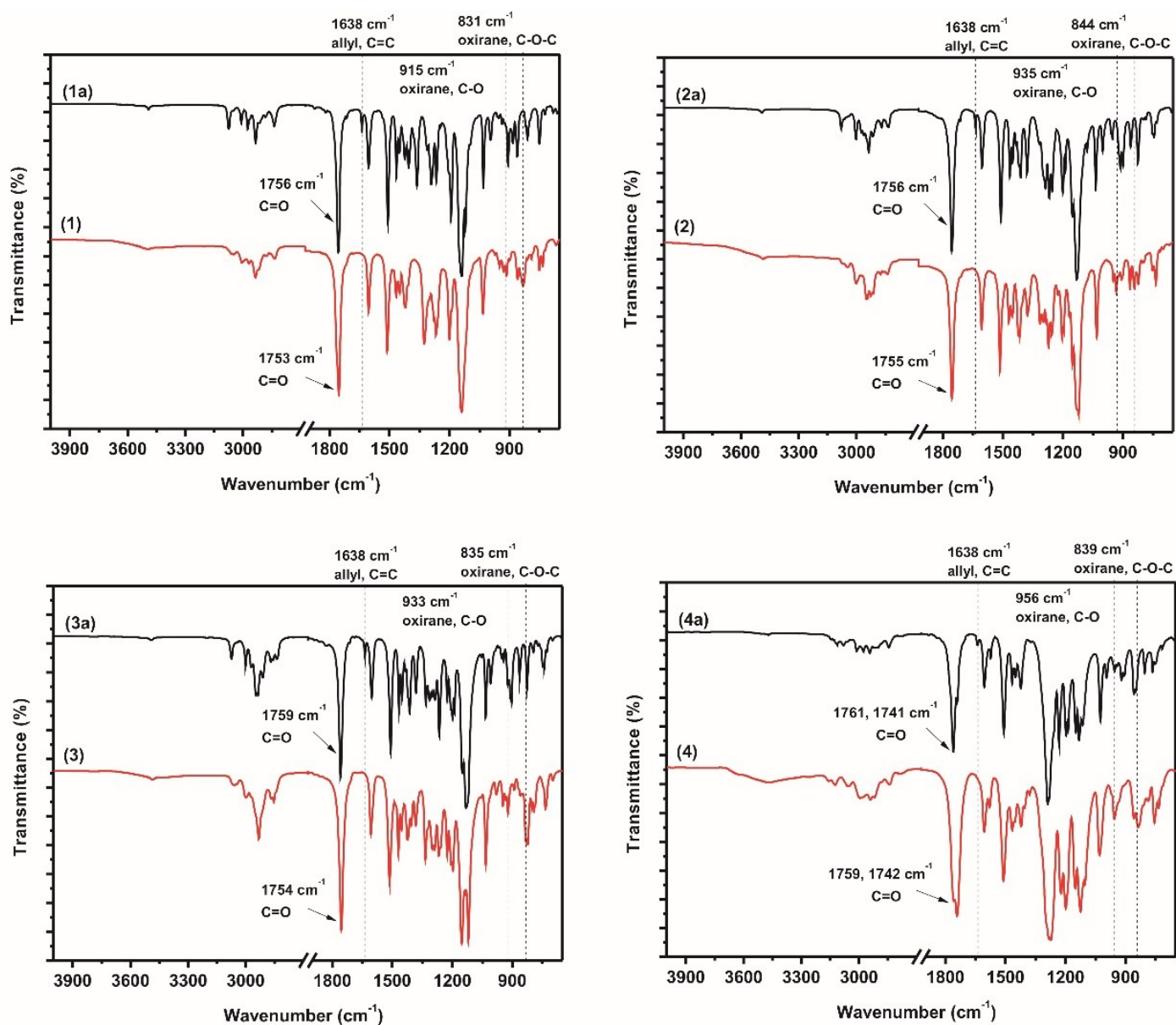


Fig. S1. FTIR spectra of synthesized monomers in this work.

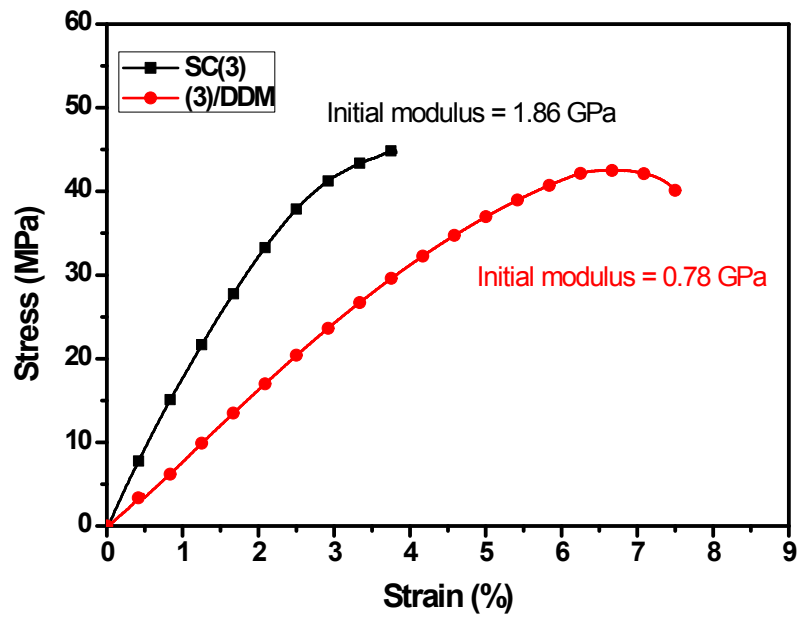


Fig. S2. A typical stress-strain curve of SC(3) and (3)/DDM. Note that the test was stopped due to the instrumental limitation, not due to the break of the thermoset.

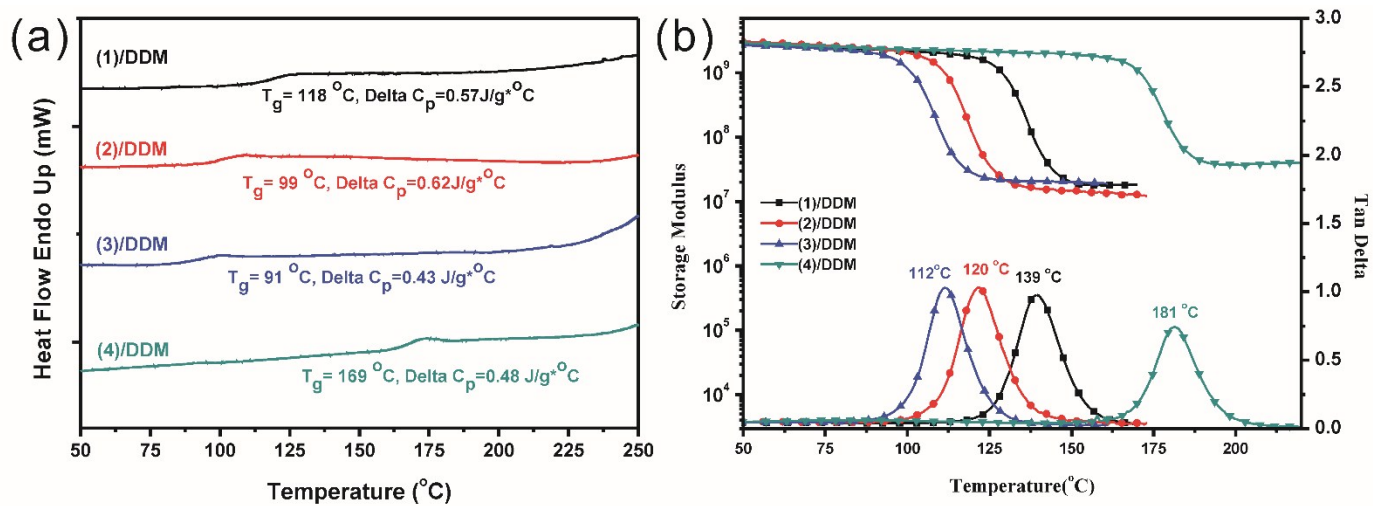


Fig. S3. (a) DSC and (b) DMA thermograms of (x)/DDM.

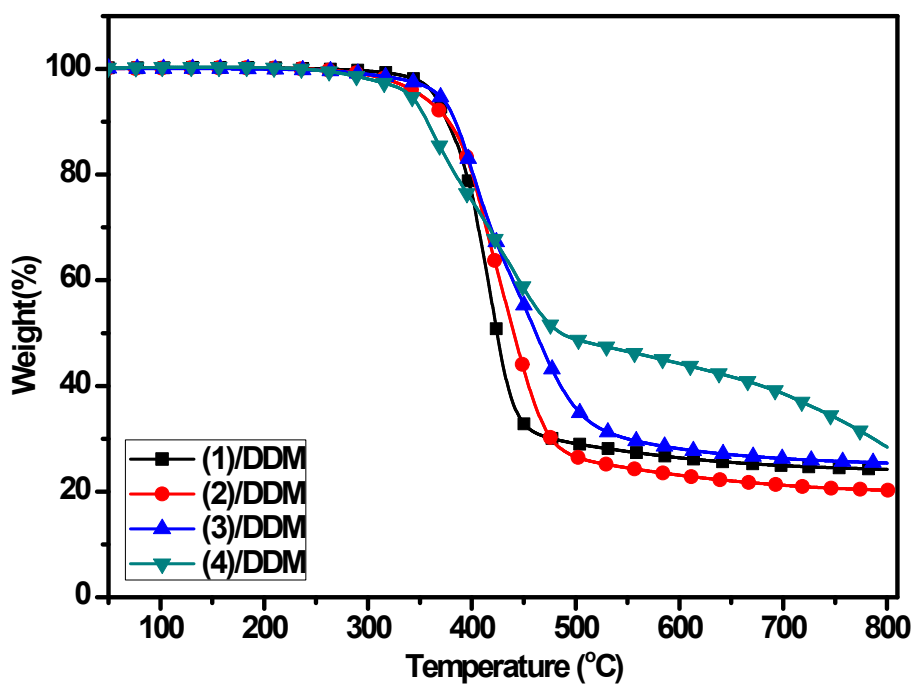


Fig. S4. TGA thermograms of (x)/DDM.

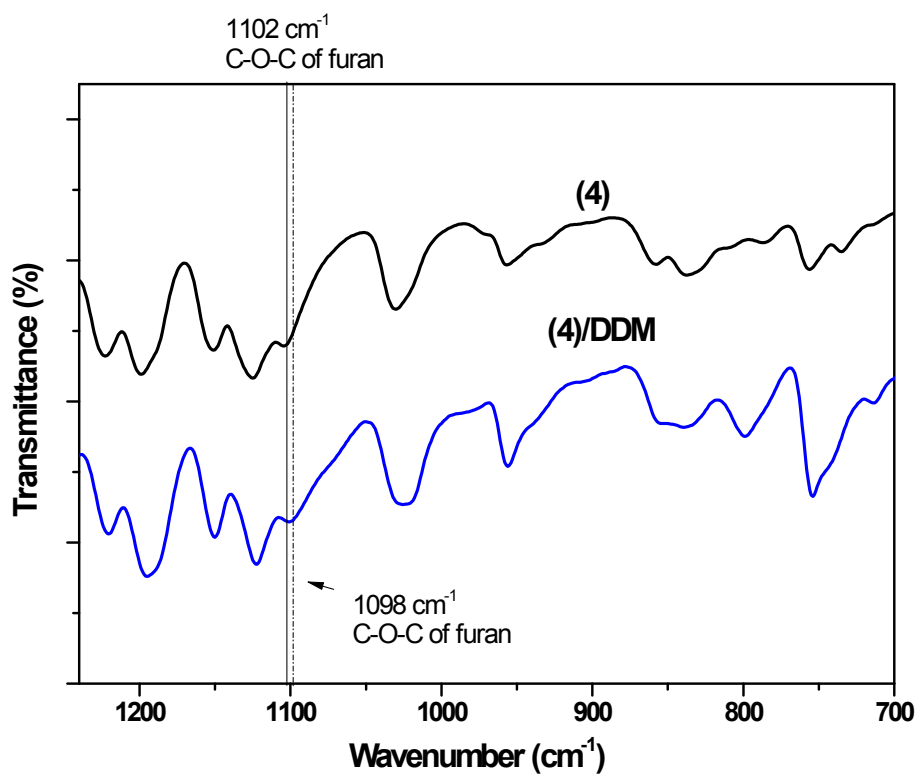


Fig. S5. Enlarged FTIR spectra of (4) and (4)/DDM.