

Advanced Materials from Corn: Isosorbide-Based Epoxy Resins

J. Hong,^a D. Radojicic,^a M. Ionescu,^a Z. S. Petrovic,^{*a} and E. Eastwood^b

^a Kansas Polymer Research Center, Pittsburg State University, Pittsburg, KS, USA.

E-mail: zpetrovic@pittstate.edu

^b Honeywell FM&T, LLC, Kansas City, MO , USA.

Supporting Information

Fig. S1-S4: Proton and carbon NMR spectra of DGEIs prepared by different methods and ISODA.

Fig.5-6: DSC and TMA curves for the DGEBA and DGEI cured with DETA and ISODA

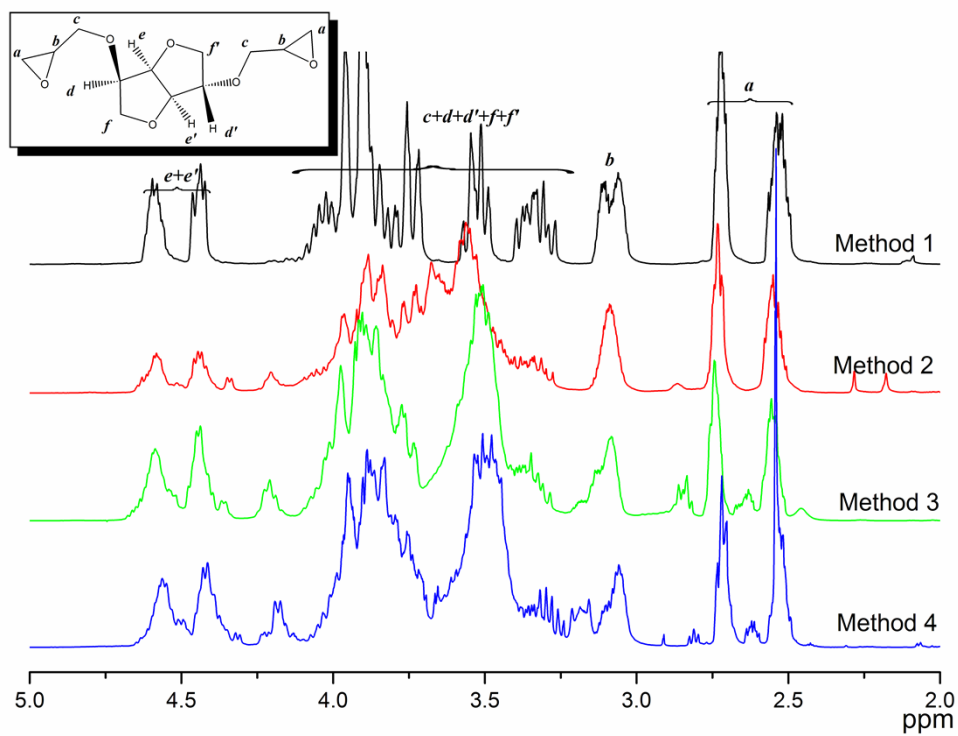


Fig. S1. ^1H NMR spectra of the DGEIs prepared by different methods.

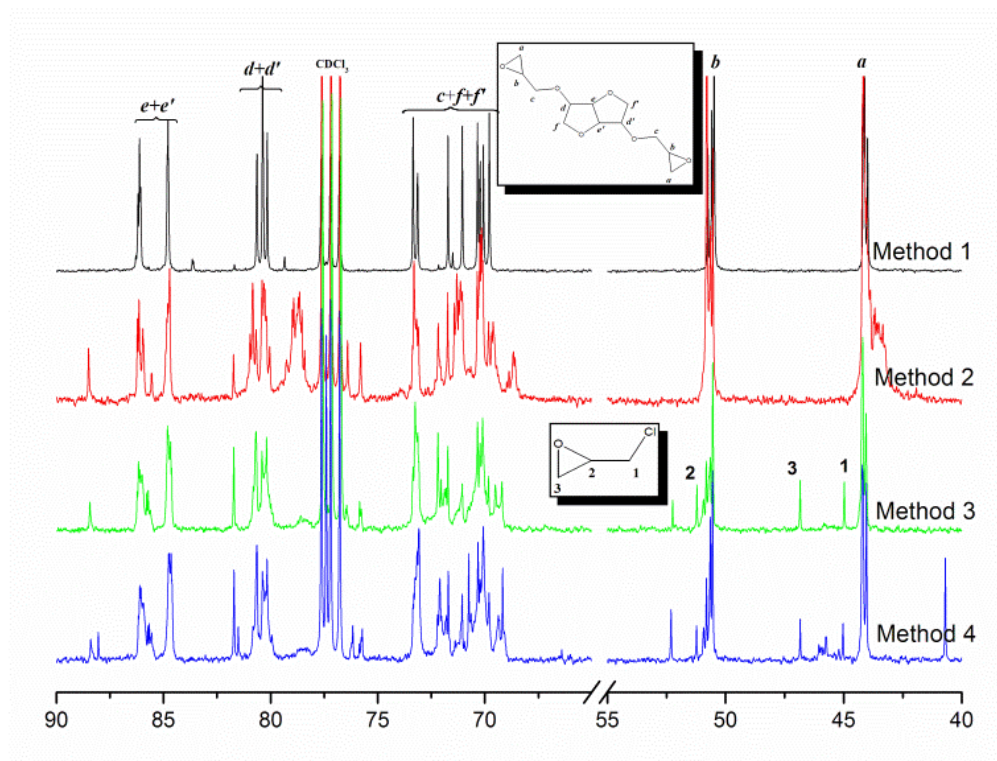


Fig. S2. ^{13}C NMR spectra of the DGEIs prepared by different methods.

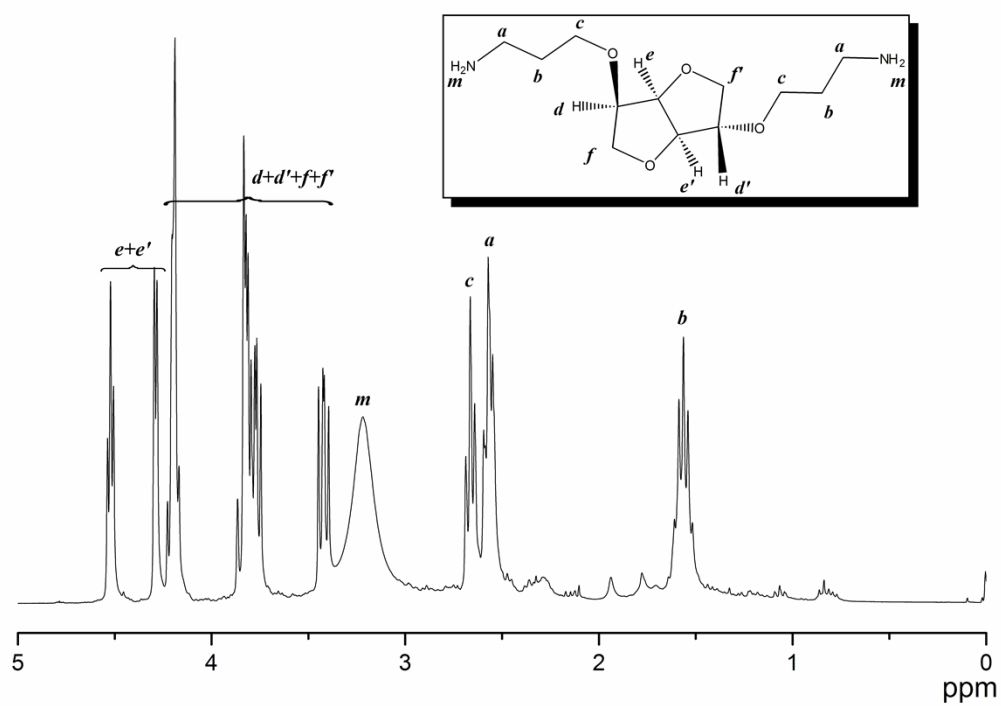


Fig. S3. ^1H NMR spectrum of ISODA

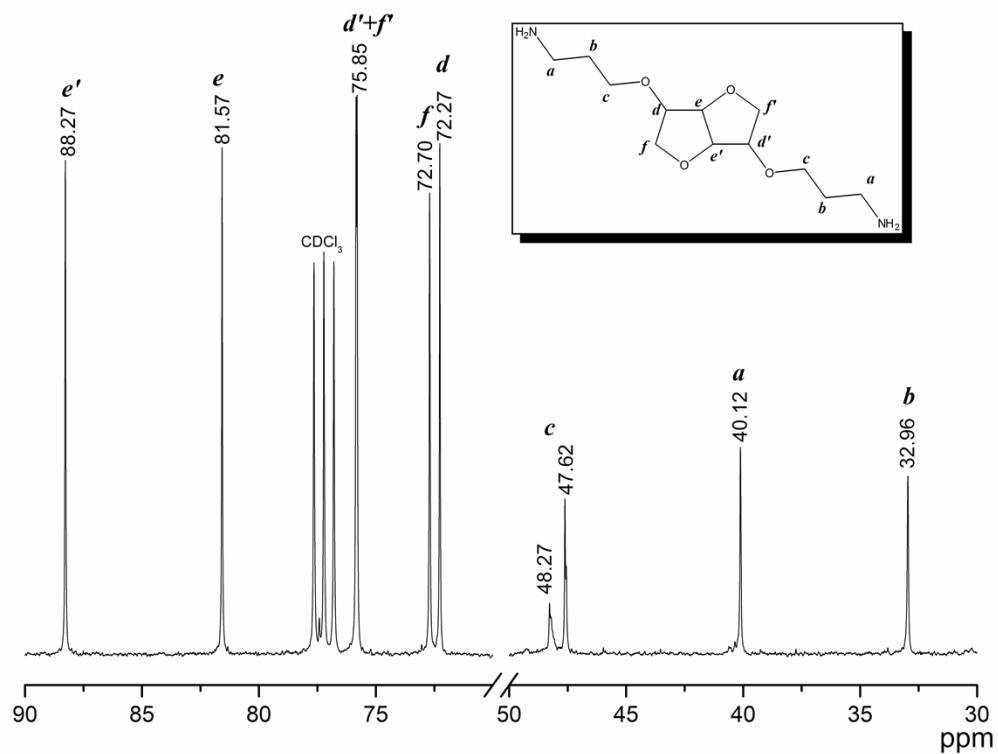


Fig. S4. ^{13}C NMR spectrum of ISODA

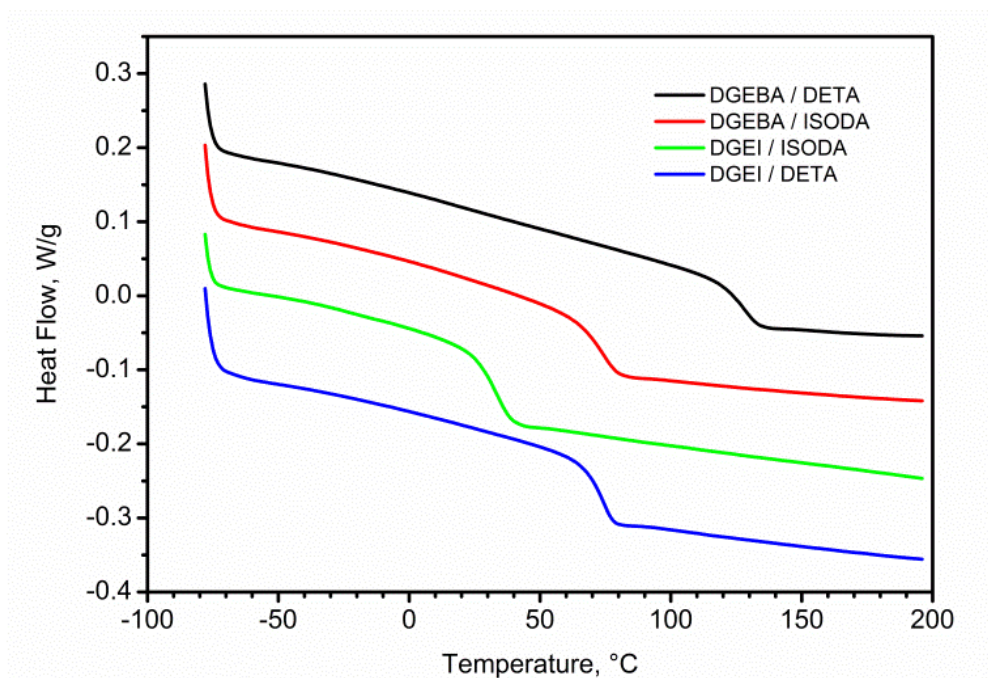


Fig. S5. DSC curves for DGEBA and DGEI cured with DETA and ISODA

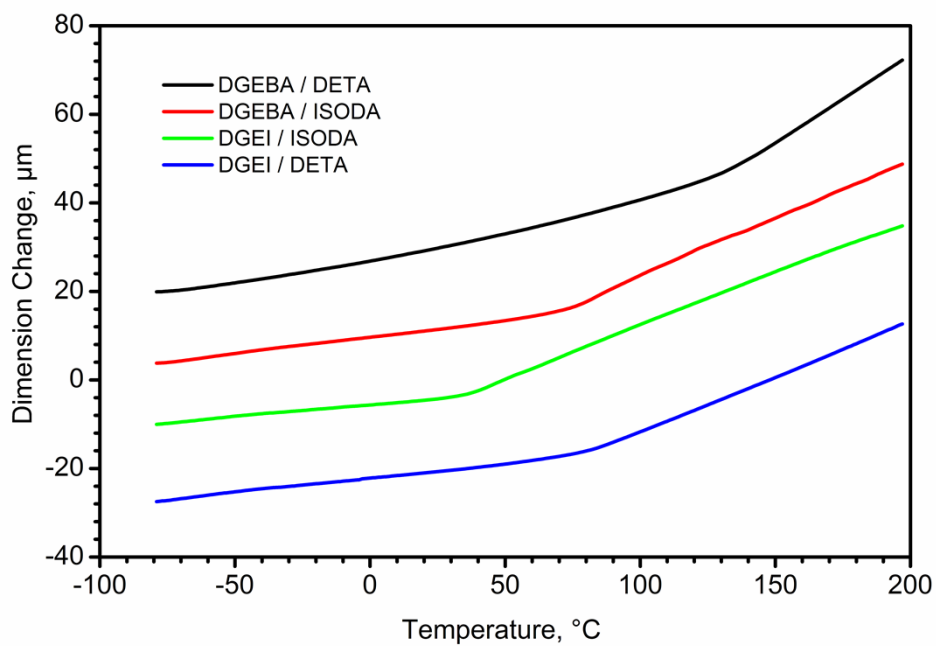


Fig. S6. Overlay of TMA curves for DGEBA and DGEI cured with DETA and ISODA