Supporting information

Mechanical and Insulation Performance of Rigid Polyurethane Foam Reinforced with Lignin-Containing Nanocellulose Fibrils

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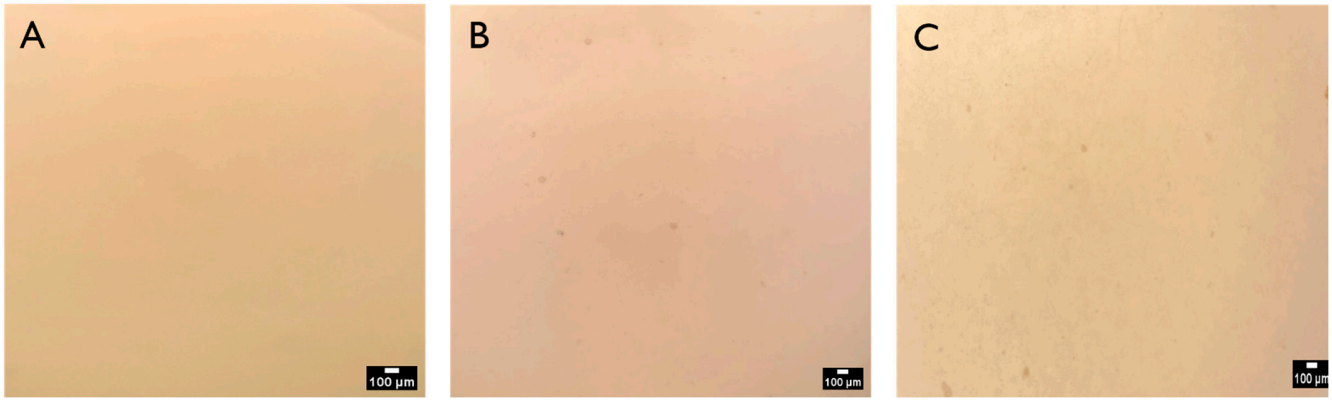

Figure S1. Optical microscope images of polyol mixture a) Pcontrol; b) LP1; and c) LP2

Table S1. Viscosity of LCNF-polyol

Sample	Pcontrol	LP1	LP2
Viscosity (mPa·s) @ 25 °C	212.0	272.9	521.0
Hydroxyl Value (mgKOH/g)	273.1	270.4	271.2

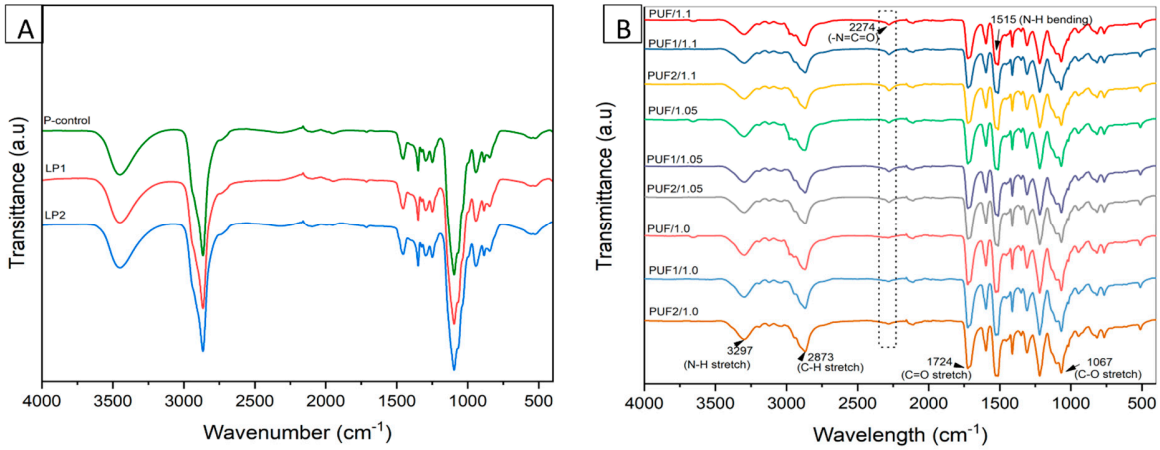

Figure S2. (a) FTIR spectra of polyol - Pcontrol, LP1 and LP2; (b) FTIR spectra of foams at NCO index of 1.1, 1.05 and 1.0

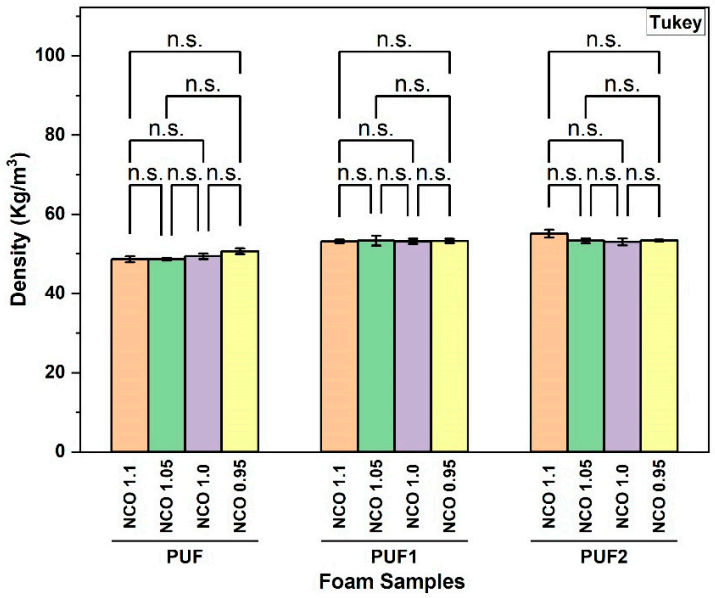

Figure S3. Density of foams grouped by foam type (n.s – not significant)

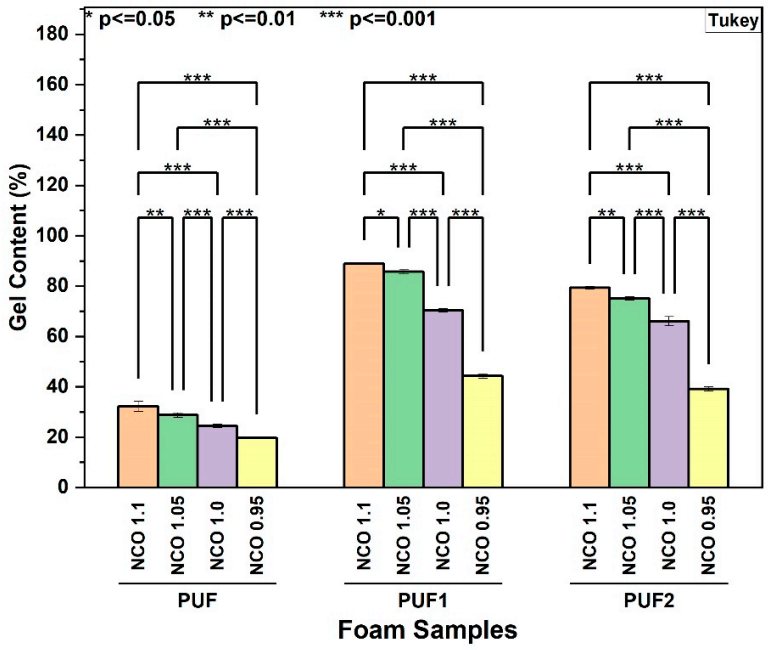

Figure S4. Gel content of foams grouped by foam type

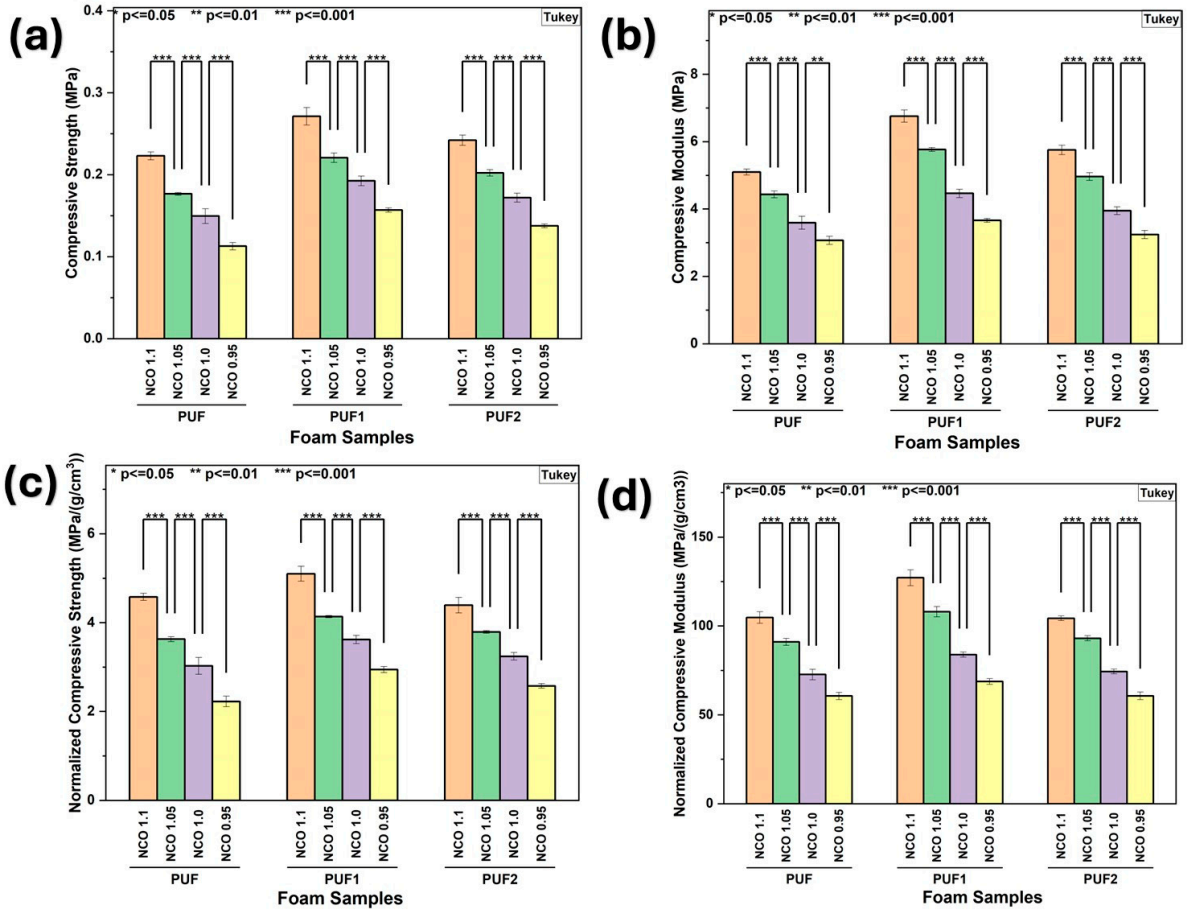

Figure S5. a) Compressive strength; b) Compressive modulus; c) Normalized compressive strength; and d) Normalized compressive modulus of foams grouped by foam type

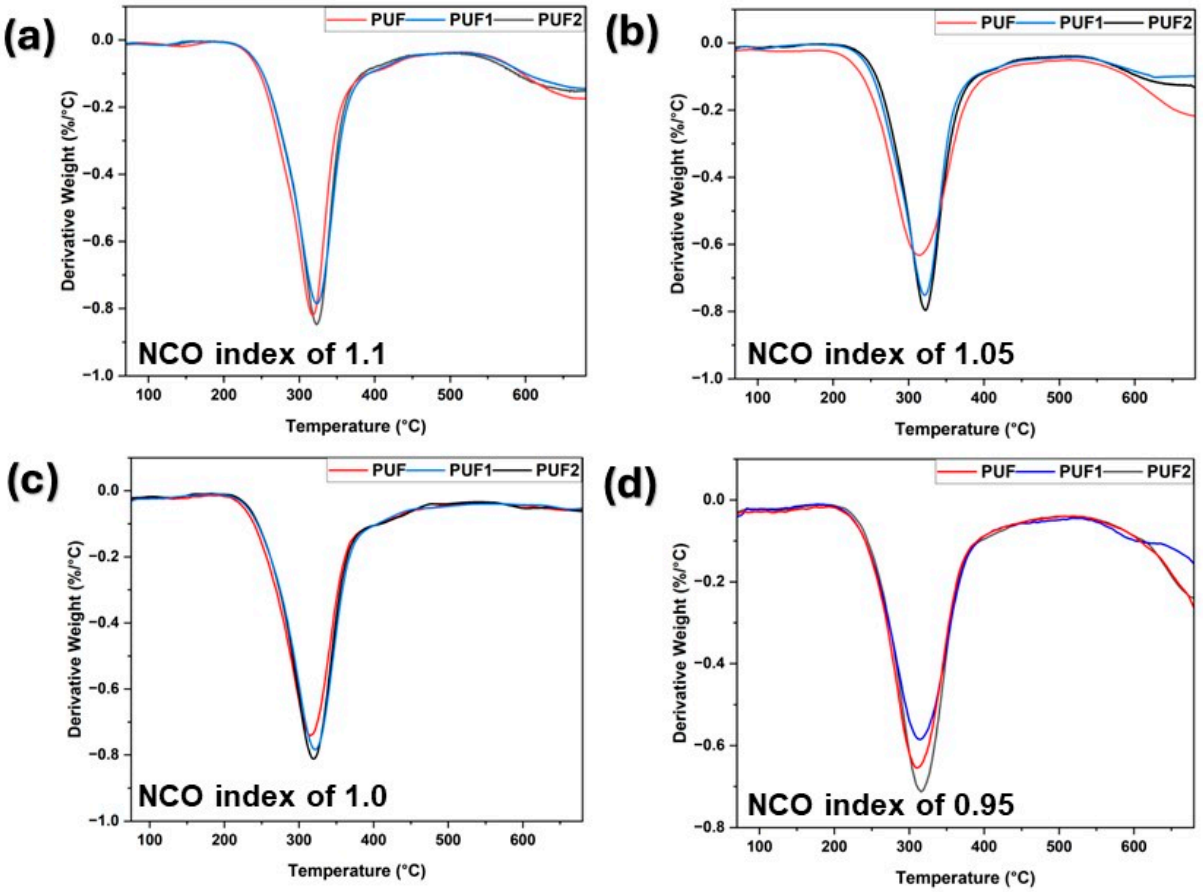

Figure S6. DTG curves of RPUFs at NCO index of a) 1.1; b) 1.05; c) 1.0; and d) 0.95