Screening platform for identification of suitable monomer mixtures able to form thin-film coatings on polyurethanes by UV initiated free radical polymerization

Christian Andersen¹, Niels Jørgen Madsen² and Anders E Daugaard*¹

¹Danish Polymer Centre, Department of Chemical and Biochemical Engineering, Technical University of Denmark, Lyngby, DK-2800, Denmark.

*adt@kt.dtu.dk.

²Coloplast A/S, Humlebæk, DK-3050.



Figure S1 PU surface modified with NIPPAm showing gelation at high monomer feed concentration.

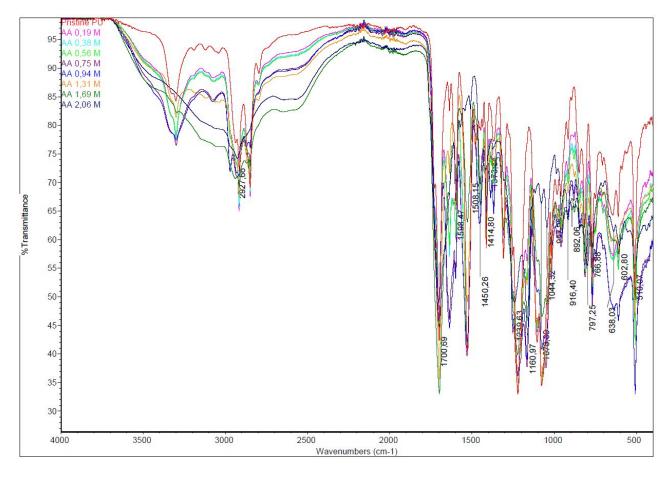


Figure S2 FT-IR spectra of AA modified PU at concentration ranging from 0,19 to 2,06 M.

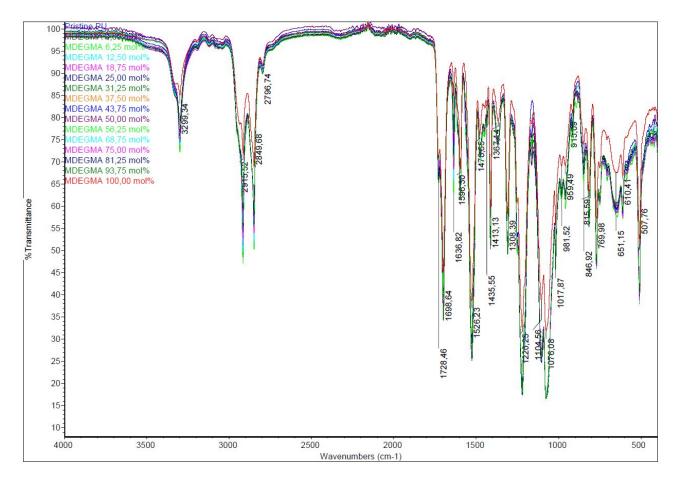


Figure S3 FT-IR spectra of MDEGMA-co-MPEGMA 500 modified PU at ratios ranging from 0 to 100% MDEGMA.

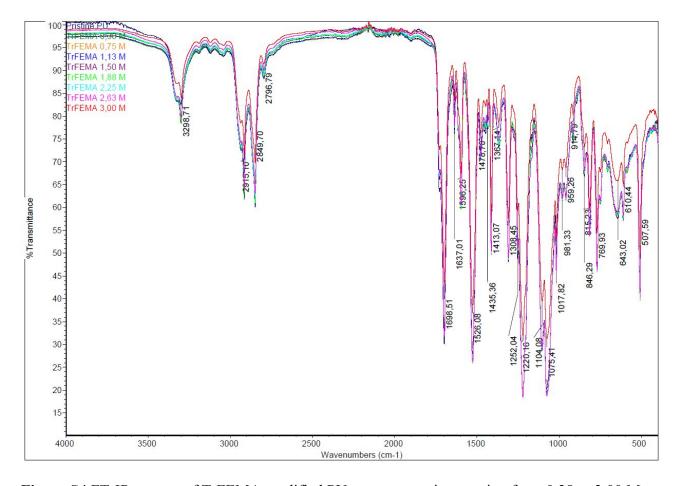


Figure S4 FT-IR spectra of TrFEMA modified PU at concentration ranging from 0,38 to 3,00 M.

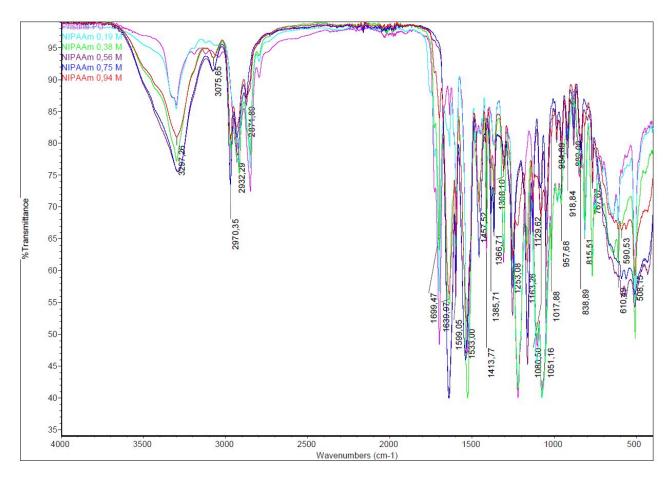


Figure S5 FT-IR spectra of NIPAAm modified PU at concentration ranging from 0,19 to 0,94 M.

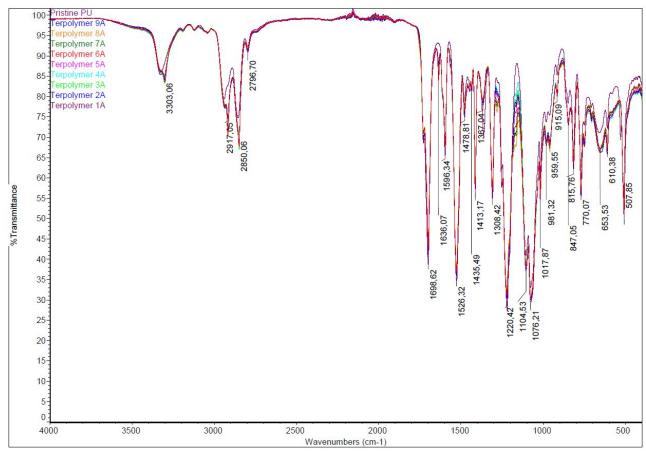


Figure S6 FT-IR spectra of TrFEMA-co-AA-MPEGMA 500 modified PU.