

Supplementary Material

Polyurethane/clay nanocomposites: The effect of different clay dispersion methods on the properties of polyurethane/clay nanocomposites

Sau Leng Sin, Jatin Nitin Kumar, Hui Ru Tan, Chaobin He, Ye Liu, and Jianwei Xu*

Institute of Materials Research and Engineering, Agency for Science, Technology and Research (A*STAR), 3 Research Link, Singapore 117602

*Corresponding author. Email: jw-xu@imre.a-star.edu.sg

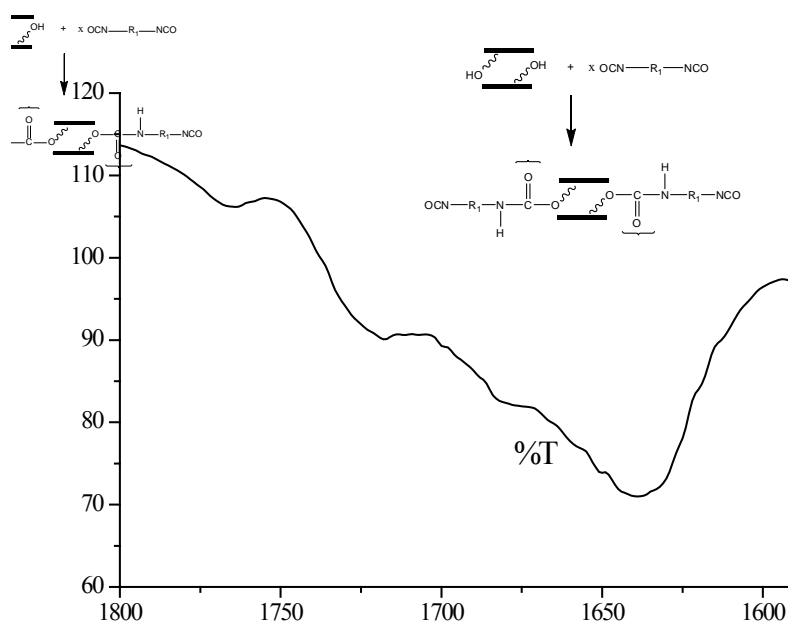


Fig. S1. IR spectrum obtained from reaction between clay and IPDI at 95 °C for 1 hour (for PU/clay(2)/III^R process)

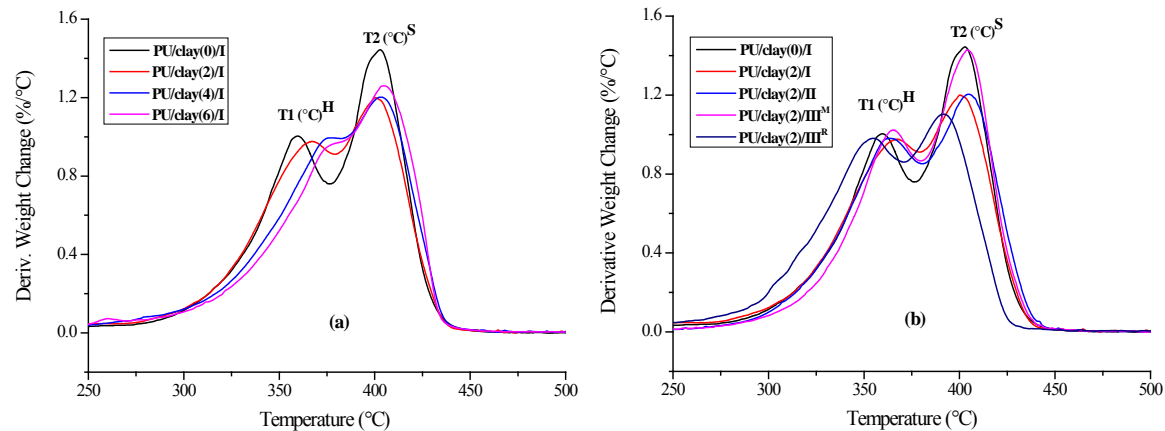


Fig. S2. TGA thermograms (derivative weight change % with temperature) of PU/clay nanocomposites: (a) PU/clay(0)/I, PU/clay(2)/I, PU/clay(4)/I and PU/clay(6)/I, (b) PU/clay(0)/I, PU/clay(2)/I, PU/clay(2)/II, PU/clay(2)/III^M and PU/clay(2)/III^R.