

4

Acknowledgements

- molecular weight control and reduction in molecular weight polydispersity
- rate of polymerization slowed to 30 50% of rate in control experiments
- significant inhibition period seen, but may be overcome by using more initiator (but this may compromise living character of final polymer)
- further work with analogous RAFT agents and additional dilatometry experiments (e.g. γ -relaxation) required to fully understand reduction in rate and inhibition period
- Mr Heng Taing & Ms Amanda Finlay (CSIRO) for assistance with experimental techniques and fruitful discussions
- Mr David Sangster & Dr Hank De Bruyn (KCPC) for helpful discussions about dilatometry

5. Uzulina, I.; Kanagasabapathy, S.; Claverie, J. Macromol. Symp. 2000, 150, 33-38.

The Key Centre for Polymer Colloids is established and supported under the Australian Research Council's Research Centres Programmme