1,2-Polybutadiene Latices by Catalytic Polymerization in Aqueous Emulsion

Vincent Monteil, Amaia Bastero and Stefan Mecking *

Supporting information

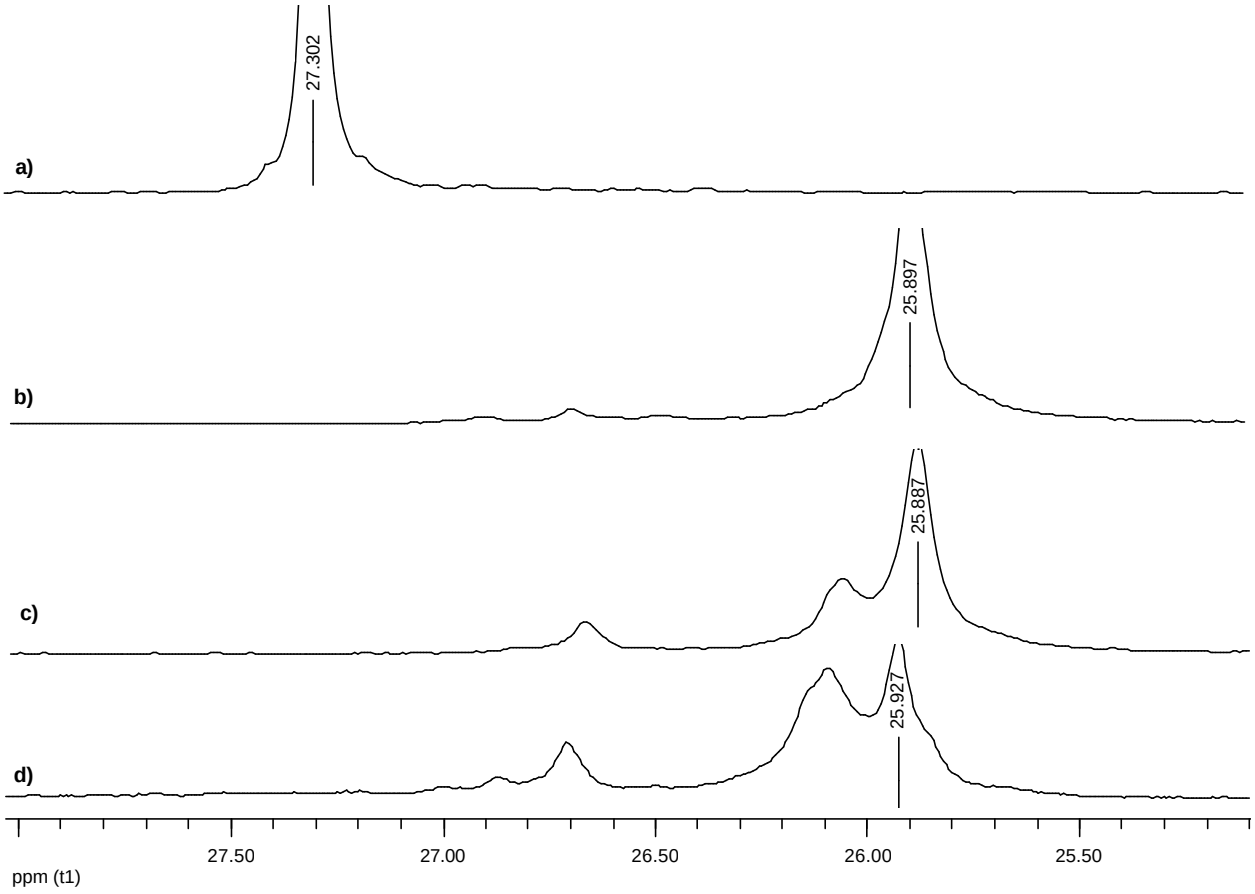

Figure S1. Comparison of the region 28-25 ppm (pendant CH_2) in ^{13}C NMR for tacticity determination: (a) isotactic poly(1-butene); (b) syndiotactic poly(1-butene) (prepared according Asanuma, T.; Ito, M.; Uchikawa, N.; Shiomura, T. *Polym. Bull.* **1991**, *25*, 567-70 with [{(Flu)CMe_2(Cp)}$ZrCl_2$]); (c) hydrogenated 1,2-polybutadiene with 97% 1,2-content (Bastero, A.; Mecking, S. *Macromolecules*, **2005**, *38*, 220); (d) hydrogenated 1,2-polybutadiene with 85% 1,2-content.

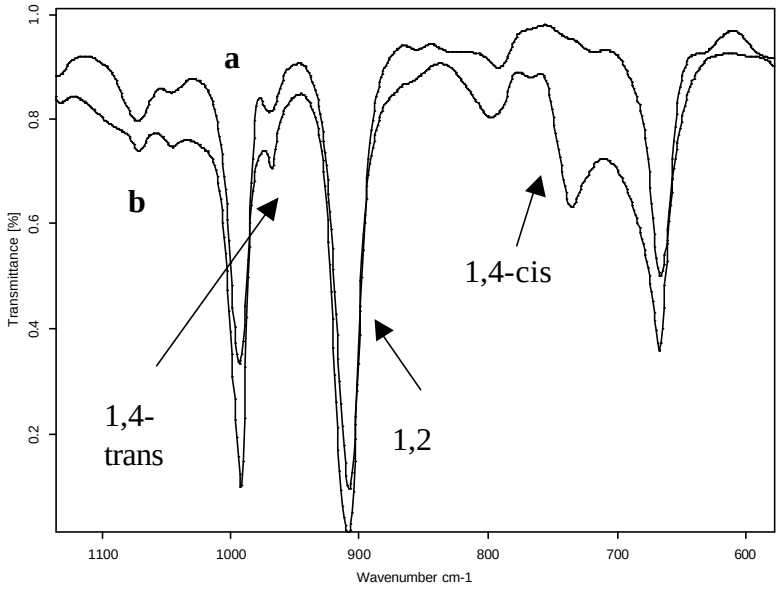

Figure S2. IR spectra of polymers obtained with. a) [Co(C_8H_{13})(C_4H_6)] / CS_2 catalyst (Table1, entry 1), b) [Co(C_8H_{13})(C_4H_6)] / CS_2 / DPF (Table2, entry 9).