SiO₂/Polyethylene Nanocomposite Particles from Catalytic Emulsion Polymerization

Vincent Monteil, Jörg Stumbaum, Ralf Thomann and Stefan Mecking*

Supporting information

Figure S1. TEM pictures of silica dispersions before (left) and after modification (right) with trimethoxy(7-octen-1-yl)silane (a: Si1, Si1-1^{octen}; b: Si2, Si2-1^{octen}).

Figure S2. ^{29}Si CPMAS NMR of modified silica with **1** (a) and **2** (b).

Figure S3. TEM image of a silica/polyethylene composite dispersion using an octenyl-modified silica (Table 3, entry 5).

Figure S4. TEM images of a silica/polyethylene composite dispersion using an octenyl-modified silica dispersed in toluene (Table 3, entry 6).