Effect of morphology on interactions between nanoparticle-stabilised air bubbles and oil droplets

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Figure S1. Interfacial tension profiles for (a) air bubbles or (b) n-dodecane droplets; aged over 10 min in 0.01% w/v aqueous dispersions of either 22 nm PGMA_{39}-PBzMA_{60} spheres or PGMA_{37}-PHPMA_{60}-PBzMA_{30} worms of similar diameter without any stirring. Also shown are the interfacial tension data obtained for either an n-dodecane droplet or an air bubble immersed in water in the absence of any nanoparticles.
**Figure S2.** Sequence of digital images recorded at various time intervals during the coalescence of two air bubbles prepared using a 0.01% w/v aqueous dispersion of either (a) 22 nm PGMA$_{39}$-PBzMA$_{60}$ spheres or (b) PGMA$_{37}$-PHPMA$_{60}$-PBzMA$_{30}$ worms brought into close contact after no ageing. The outer diameter of each capillary is 1.05 mm.
Figure S3. Optical microscopy and TEM images recorded for n-dodecane-in-water Pickering emulsions prepared using a 0.50% w/v aqueous dispersion of either PGMA$_{39}$-PBzMA$_{60}$ spheres (a, c) or PGMA$_{37}$-PHPMA$_{60}$-PBzMA$_{30}$ worms (b, d) after high-shear homogenisation at 13 200 rpm for 2 min.