Hydrophobic Modification of Polypropylene/Starch Blend Foams through Tailoring Cell Diameter for Oil-spill Cleanup

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Electronic Supplementary Information

Figure captions:

\textbf{Fig. S1} Chemical or crystal structure of the compounds used to prepare the foams.

\textbf{Fig. S2} Influence of oils' viscosity on oil recovery of PP/starch blend foams at fixed oil film thickness (2-3 mm) and shaking frequency (90 cycles/min); the viscosity of oils are: 5.1 mPa\textsuperscript{s}, 19.8 mPa\textsuperscript{s} and 50.6 mPa\textsuperscript{s} for diesel, corn oil and pump oil, respectively (tested at 25 °C).

\textbf{Fig. S3} Influence of shaking frequency on the oil recovery of PP/starch foams toward pump oil films with the thickness of 2-3 mm.

\textbf{Fig. S4} Influence of the thickness of the oil films on oil recovery of PP/starch blend foams toward pump oil at fixed shaking frequency of 90 cycles/min.
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