

Article

Process Characterization of Polyvinyl Acetate Emulsions Applying Inline Photon Density Wave Spectroscopy at High Solid Contents

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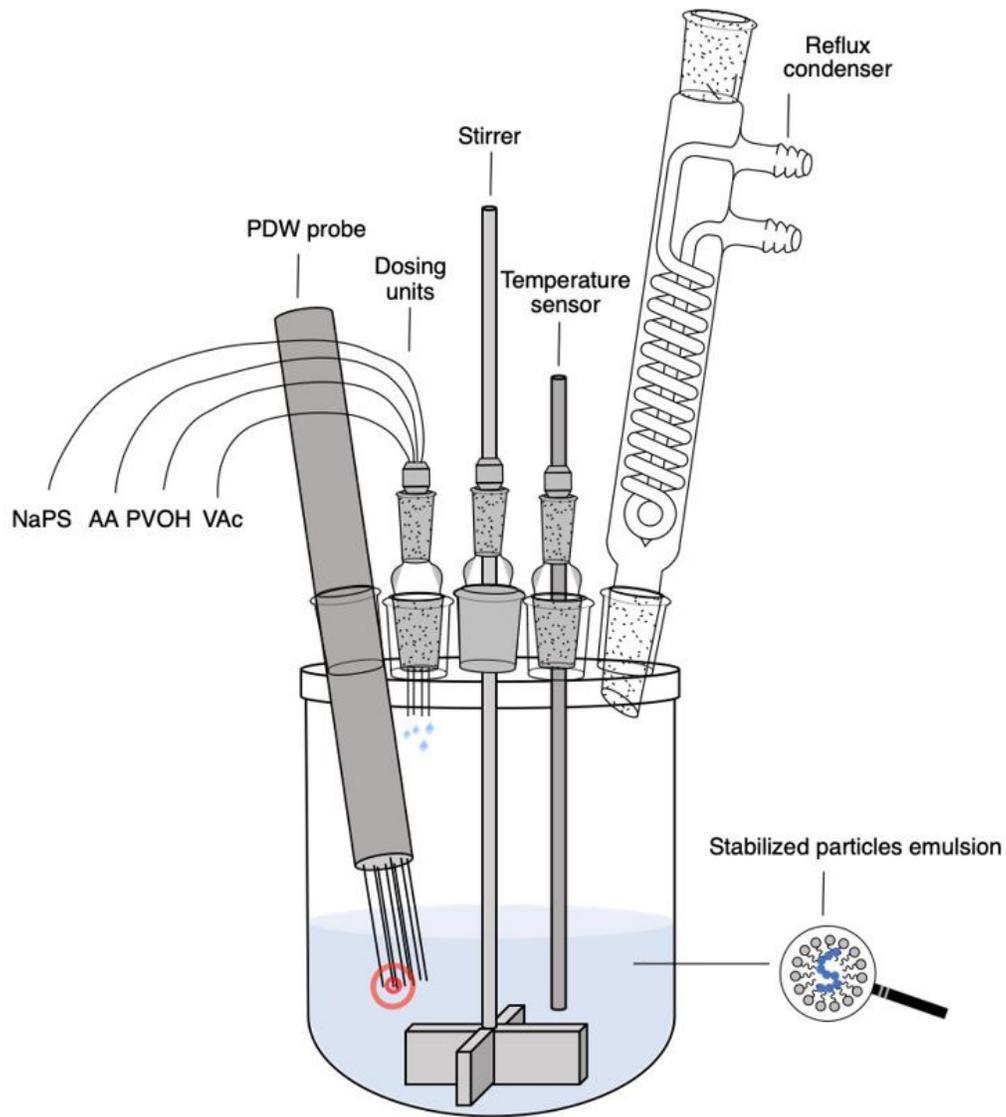


Figure S1. Schematic description of the reactor Set-Up. 1 L automated Lab reactor equipped with automated temperature control, stirring control, dosing control, overhead reflux condenser, and N₂ purging. The PDW inline probe is directly inserted into the reactor via an inlet port.

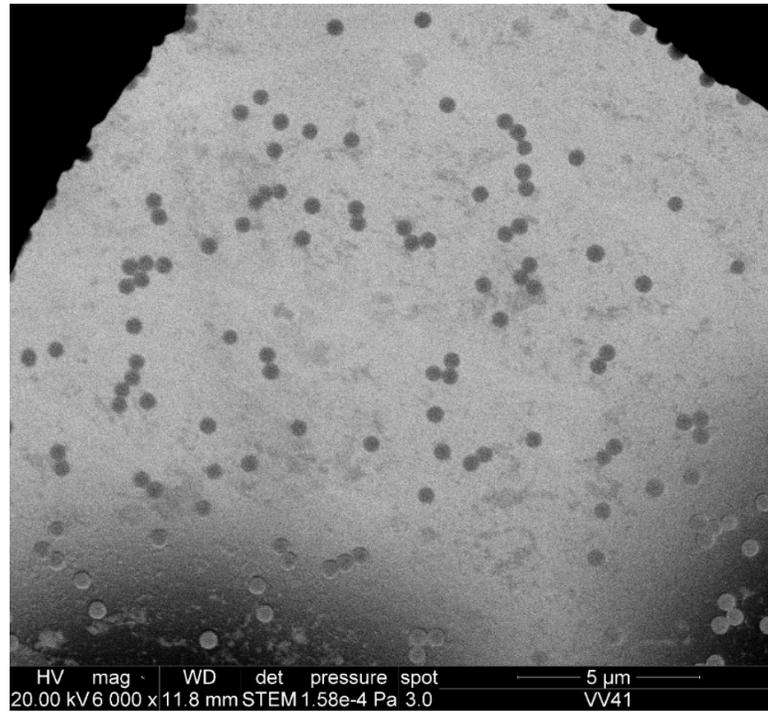


Figure S2. Electron microscopy picture of particles produced during synthesis VAc_1.5.

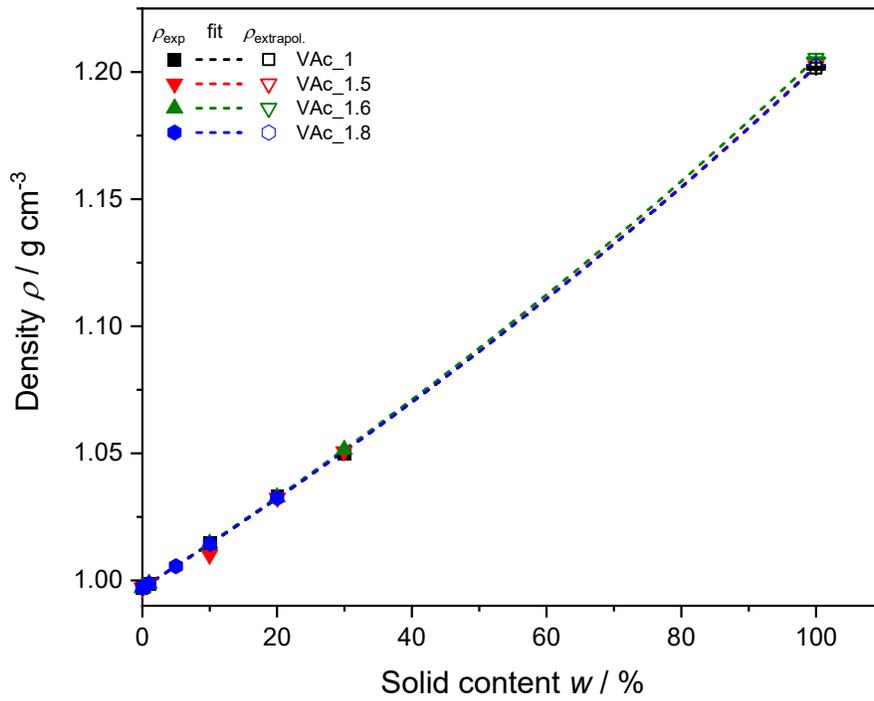


Figure S1 Density of the dispersions of VAc_1, VAc_1.5, VAc_1.6, and VAc_1.8 measured with a densitometer at different concentrations (solid symbols) as well as extrapolated density of the particles (open symbols).

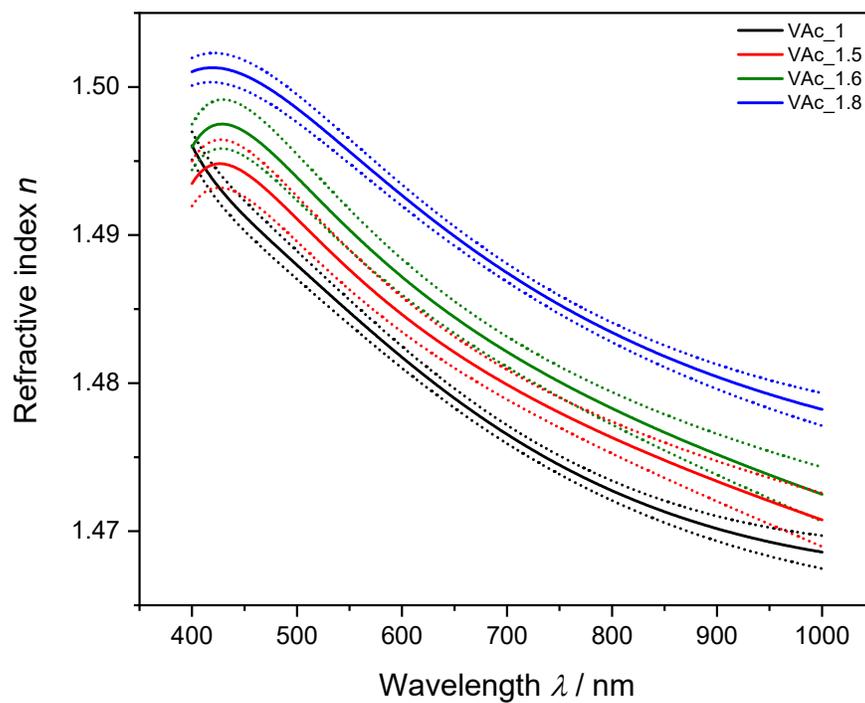


Figure S4. Refractive index of the particles from syntheses VAc_1, VAc_1.5, VAc_1.6, and VAc_1.8 extrapolated from values of a concentration series of the dispersions measured with a refractometer at seven wavelengths and inter- and extrapolated to wavelengths between 400 nm and 1000 nm. Confidence intervals with +95% and -95% are shown as dashed lines.