

Effects of dissolution conditions on the properties of PVDF ultrafiltration membranes

This is the Accepted version of the following publication

Ike, Ikechukwu Anthony, Zhang, Jianhua, Groth, Andrew, Orbell, John and Duke, Mikel (2017) Effects of dissolution conditions on the properties of PVDF ultrafiltration membranes. Ultrasonics Sonochemistry, 39. 716 - 726. ISSN 1350-4177

The publisher's official version can be found at https://www.sciencedirect.com/science/article/pii/S1350417717302638 Note that access to this version may require subscription.

Downloaded from VU Research Repository https://vuir.vu.edu.au/35366/

Effects of dissolution conditions on the properties of PVDF ultrafiltration membranes Ikechukwu A. Ike; Jianhua Zhang, Andrew Groth, John D. Orbell; Mikel Duke Institute for Sustainability and Innovation, College of Engineering and Science, Victoria University, Melbourne, Victoria 8001, Australia.

Supplementary Material

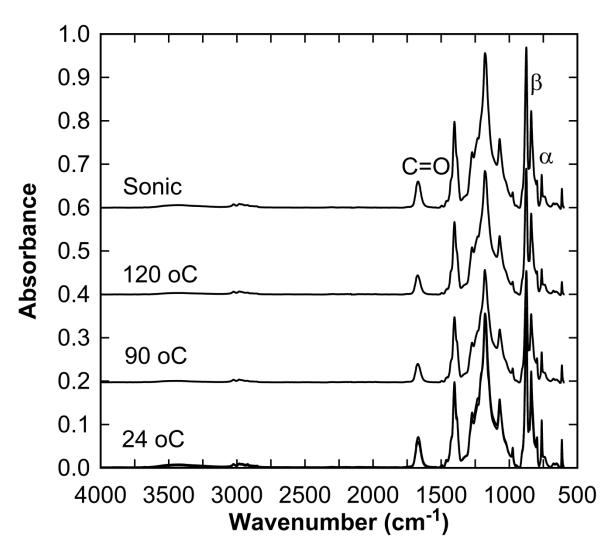


Figure S.1. Typical FTIR spectra for the membranes

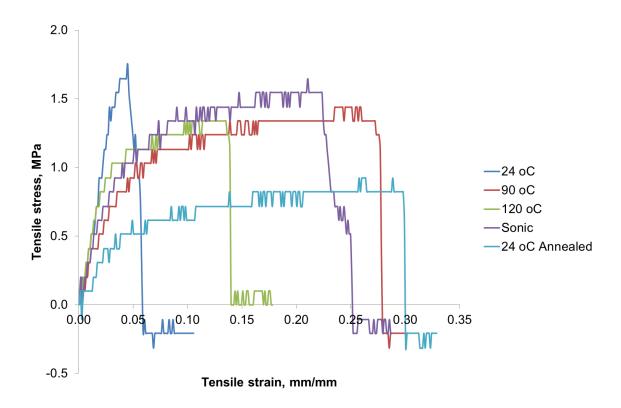
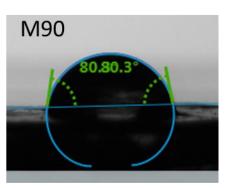


Figure S.2. Typical stress-strain curves for membranes





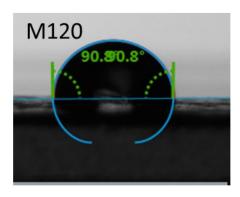




Figure S.3. Typical water contact angles on membranes. Images obtained using Krüss drop shape analyser – DSA25 under room temperature of 20 °C using PTFE needle of diameter 0.69 mm. 4.0 μ L droplet volume was placed on a membrane and the CA computed using the Young Laplace fitting method.