Accepted Manuscript

Title: Atomic force microscopy analysis of synthetic membranes applied in release studies

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PII:	S0169-4332(15)01712-2
DOI:	http://dx.doi.org/doi:10.1016/j.apsusc.2015.07.145
Reference:	APSUSC 30872
To appear in:	APSUSC
Received date:	10-3-2015
Revised date:	17-7-2015
Accepted date:	21-7-2015

Please cite this article as: A. Olejnik, I. Nowak, Atomic force microscopy analysis of synthetic membranes applied in release studies, *Applied Surface Science* (2015), http://dx.doi.org/10.1016/j.apsusc.2015.07.145

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Highlights

- We compare eight synthetic membranes by atomic force microscopy.
- We predict the behaviour of membranes in the release experiments.
- The polymeric synthetic membranes varied in shape and size.
- We detect substructures in pores of cellulose esters and nylon membranes.
- Substructures limit the release rate of active compound.

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