

Membranes

Electronic Supporting Information

Assessing the performance of thin-film nanofiltration membranes with embedded montmorillonites

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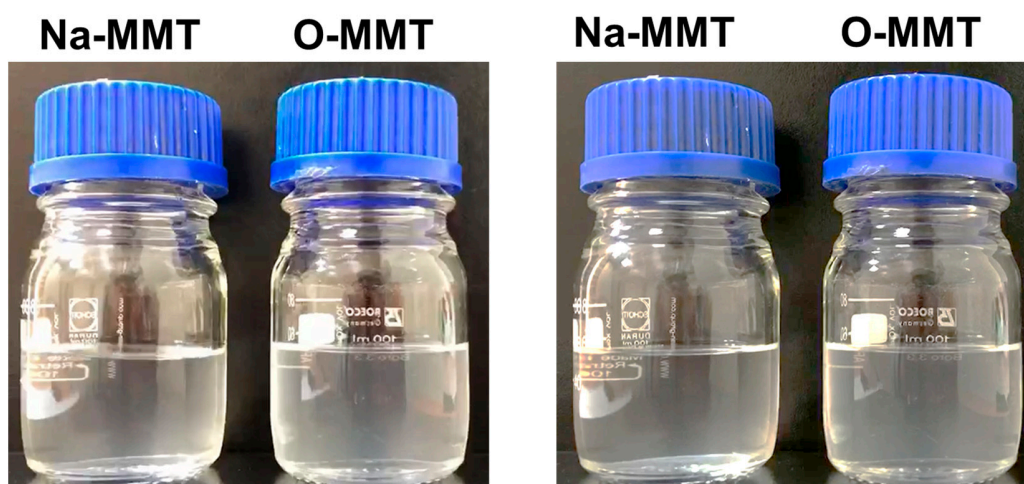
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Low concentration of MMT in n-hexane

Time = 0 s

Time = 30 s



High concentration of MMT in n-hexane

Time = 0 s

Time = 30 s

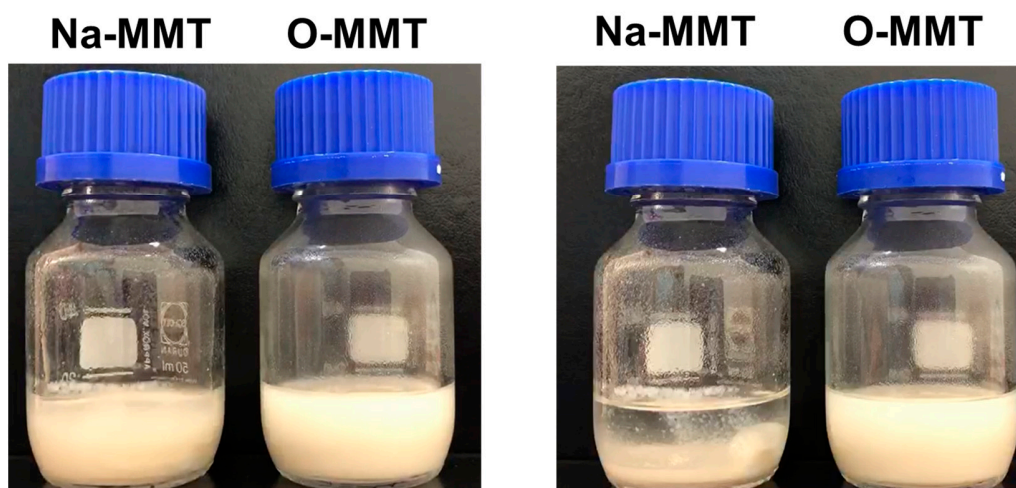


Figure S1. Dispersion of Na-MMT and O-MMT in n-hexane.

Table S1. Surface area, total pore volume and pore size of MMTs.

Particle	BET surface area (m ² ·g ⁻¹)	Langmuir surface area (m ² ·g ⁻¹)	Total pore volume ^a (cm ³ ·g ⁻¹)	Pore size ^b (Å)
Na-MMT	40.12	62.43	0.136327	129.23
O-MMT	5.05	8.51	0.058832	205.34

^a Barrett-Joyner-Halenda (BJH) desorption cumulative volume of pores

^b BJH desorption average pore diameter.