

عنوان مقاله:

Effect of PDMS viscosity on the pervaporative performance of PDMS/PES composite membranes for ethanol / water separation

محل انتشار:

دهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1391)

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خلاصه مقاله:

Pervaporation is characterized by the imposition of a membrane between a liquid and a vapour phase, with a mass transfer occurring selectively across the membrane to the vapour side [1]. Pervaporation (PV) is one of the advantageous membrane processes for separation of organic solvents comparing to other conventional separation processes like distillation. Currently, industrial applications of pervaporation are grouped into two: one is dehydration of alcohols and other organic solvents using hydrophilic or charged polymeric membranes and the other is removal of small quantities of volatile organic compounds from water using hydrophobic membranes

کلمات کلیدی:

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