

Author's Accepted Manuscript

Pure- and mixed-gas propylene/propane permeation properties of spiro- and triptycene-based microporous polyimides

Ramy J. Swaidan, Bader Ghanem, Raja Swaidan, Eric Litwiller, Ingo Pinnau



www.elsevier.com/locate/memsci

PII: S0376-7388(15)00474-3
DOI: <http://dx.doi.org/10.1016/j.memsci.2015.05.044>
Reference: MEMSCI13726

To appear in: *Journal of Membrane Science*

Received date: 29 March 2015
Revised date: 19 May 2015
Accepted date: 23 May 2015

Cite this article as: Ramy J. Swaidan, Bader Ghanem, Raja Swaidan, Eric Litwiller, Ingo Pinnau, Pure- and mixed-gas propylene/propane permeation properties of spiro- and triptycene-based microporous polyimides, *Journal of Membrane Science*, <http://dx.doi.org/10.1016/j.memsci.2015.05.044>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Pure- and mixed-gas propylene/propane permeation properties of spiro-
and triptycene-based microporous polyimides**

Ramy J. Swaidan^a, Bader Ghanem^a, Raja Swaidan^a, Eric Litwiller^a, Ingo Pinnau^{a,*}

^a *Advanced Membranes and Porous Materials Center, Division of Physical Sciences and Engineering, King Abdullah University of Science and Technology, Thuwal 23955-6900, Saudi Arabia*

*Corresponding author: Tel: +966-12-808-2406

E-mail address: ingo.pinnau@kaust.edu.sa (I. Pinnau)

Keywords: Polymers of intrinsic microporosity, Polyimide, Gas separation, Olefin/paraffin separation, Plasticization

Download English Version:

<https://daneshyari.com/en/article/7021101>

Download Persian Version:

<https://daneshyari.com/article/7021101>

[Daneshyari.com](https://daneshyari.com)