

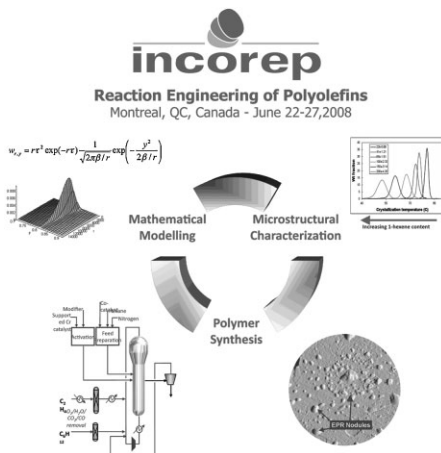
Macromolecular Symposia: Vol. 285

Articles published on the web will appear
several weeks before the print edition.
They are available through:



www.interscience.wiley.com

Cover: The first “International Conference on the Reaction Engineering of Polyolefins (INCOREP)” was held in Montreal, Canada, in 2008. The presentations were given on topics related to the major conference themes of New Processes and Catalysts, Process Monitoring, Advanced Polyolefinic Materials, Microscale Modelling, and Reactor and Process Design. This conference series were started in 2000 (as ECOREP) with the objective of creating an internationally recognized technical conference for the discussion of the reaction engineering aspects of polyolefin production.



Reaction Engineering of Polyolefins

Montreal (Canada)

Preface

Timothy F. L. McKenna
João B. P. Soares

Application of Input Trajectory
Optimisation of Ziegler-Natta Catalysed
Gas-Phase Olefin Polymerisation Reactor
Systems

R. Rawatlal

I 1

Simulation of Propylene Polymerization in
Industrial Reactors Using Ziegler-Natta
Catalysts in the Presence of Electron
Donors

A. Alshaiban,
J. B. P. Soares

I 8

Modeling Study on Effects of Liquid Propylene in Horizontally Stirred Gas-Phase Reactors for Polypropylene	<i>I. Kouzai, K. Fukuda</i>	23
A Study of Particle-Surface Interactions During Olefin Polymerisation in Gas Phase Reactors	<i>E. J. G. Eriksson, T. F. L. McKenna</i>	28
Modern Analytical Tools essential for Studying Olefin Polymerization	<i>M. S. Hoffmann, S. Nenov, T. Diesing, C. Naundorf, G. Fink, M. Klapper, K. Müllen</i>	35
Influence of Silica Support Size on the Polymerisation of Ethylene Using a Supported Metallocene Catalyst	<i>V. F. Tisse, R. M. Briquel, T. F. L. McKenna</i>	45
Kinetic and Morphological Investigation on the Magnesium Ethoxide-Based Ziegler-Natta Catalyst for Propylene Polymerization Using Typical External Donors	<i>A. Dashti, S. A. Ahmad Ramazani, Y. Hiraoka, S. Y. Kim, T. Taniike, M. Terano</i>	52
Heat Transfer in Gas Phase Olefin Polymerisation	<i>E. Tioni, J. Pierre Broyer, R. Spitz, V. Monteil, T. F. L. McKenna</i>	58
Gas-Phase Polymerization with Transition Metal Catalysts Supported on Montmorillonite – A Particle Morphological Study	<i>S.-Y. A. Shin, L. C. Simon, J. B. P. Soares, G. Scholz, T. F. L. McKenna</i>	64
CRYSTAF Analysis of Polyethylene Synthesized with Phillips Catalyst	<i>W. Xia, T. Taniike, M. Terano, T. Fujitani, B. Liu, J. B. P. Soares</i>	74
Simultaneous Deconvolution of the Molecular Weight and Chemical Composition Distribution of Polyolefins Made with Ziegler-Natta Catalysts	<i>A. A. Alghyamah, J. B. P. Soares</i>	81
Heterogeneous Copolymerization of Ethylene and α -olefins Using Aluminohydride-Zirconocene/SiO ₂ /MAO by High-Throughput Screening	<i>R. Charles, A. N. Estrada, L. Lugo, J. Revilla, M. García, O. Pérez</i>	90

Influence of Metallocene Type on the Order of Ethylene Polymerization and Catalyst Deactivation Rate in a Solution Reactor	<i>S. Mehdiabadi, J. B. P. Soares</i>	101
External Donor Induced Direct Contact Effects on $\text{Mg}(\text{OC}_2\text{H}_5)_2$ -Based Ziegler-Natta Catalysts for Propylene Polymerization	<i>S. Y. Kim, Y. Hiraoka, T. Taniike, M. Terano</i>	115

<i>Alghyamah, A. A.</i>	81	<i>Lugo, L.</i>	90
<i>Alshaiban, A.</i>	8	<i>Müllen, K.</i>	35
<i>Briquel, R. M.</i>	45	<i>McKenna, T. F. L.</i>	28, 45, 58
<i>Broyer, J. P.</i>	58	<i>Mehdiabadi, S.</i>	101
<i>Charles, R.</i>	90	<i>Monteil, V.</i>	58
<i>Dashti, A.</i>	52	<i>Naundorf, C.</i>	35
<i>Diesing, T.</i>	35	<i>Nenov, S.</i>	35
<i>Eriksson, E. J. G.</i>	28	<i>Pérez, O.</i>	90
<i>Estrada, A. N.</i>	90	<i>Ramazani, S. A. A.</i>	52
<i>Fink, G.</i>	35	<i>Rawatlal, R.</i>	1
<i>Fujitani, T.</i>	74	<i>Revilla, J.</i>	90
<i>Fukuda, K.</i>	23	<i>Soares, J. B. P.</i>	8, 74, 81, 101
<i>García, M.</i>	90	<i>Spitz, R.</i>	58
<i>Hiraoka, Y.</i>	52, 115	<i>Taniike, T.</i>	52, 74, 115
<i>Hoffmann, M. S.</i>	35	<i>Terano, M.</i>	52, 74, 115,
<i>Kim, S. Y.</i>	52, 115	<i>Tioni, E.</i>	58
<i>Klapper, M.</i>	35	<i>Tisse, V. F.</i>	45
<i>Kouzai, I.</i>	23	<i>Xia, W.</i>	74
<i>Liu, B.</i>	74		