

Editorial

 Heinz Herrmann (1931-1991)90
Internal Mixers

V. Nassehi, P. K. Freakley
 Spreader Blade Analogy of Flow Past an Internal Mixer Rotor 91
S.-P. Rwei, S. W. Horwatt, I. Manas-Zloczower, D. L. Feke
 Observation and Analysis of Carbon Black Agglomerate Dispersion
 in Simple Shear Flows 98
J. K. Kim, J. L. White
 Non-Newtonian and Non-Isothermal Modeling of 3D-Flow
 in an Internal Mixer 103
K. Kawanishi, K. Yagii, Y. Obata, S. Kimura
 Relationship between Rotor Designs in an Internal Mixer and Physical
 Properties of Mixed Rubber Compounds 111
D. P. Stoten, J. M. Moore
 Dynamic Modelling of Internal Mixers Using System Identification Techniques 121

Single Screw Processing

H. Potente, H. Stenzel
 Theoretical Principles Governing the Design of Barrier Sections in Extruders 126
R. Brzoskowski, T. Kumazawa, J. L. White
 A Model of Flow in the Mixing Section of the List KoKneader 136

Twin Screw Extrusion

D. B. Todd
 Drag and Pressure Flow in Twin Screw Extruders 143
J. Curry, A. Kiani, A. Dreiblatt
 Feed Variance Limitations for Corotating Intermeshing Twin Screw Extruders 148
S. Montes, J. L. White
 Fluid Mechanics of Distributive Mixing in a Modular Intermeshing
 Corotating Twin Screw Extruder 156
W. Michaeli, U. Berghaus, G. Speuser
 New Ways in the Manufacturing of Finished and Semi-finished
 Products from Nylon 163
D. Bigio, W. Baim, M. Wigginton
 Mixing in Non-intermeshing Twin Screw Extruders 172

PPS-News

 PPS-Meetings in Future 177
Professional News

The New Germany-. Development of the Polymer Industry..... 178
 International Thermoset Polyester Developments 178
 International Developments in Blending and Compounding 179
 International Developments in Polyvinyl Chloride 179

Books 180

Impressum 180
