

CONTENTS

Impressum..... 2

Editorial..... 3

Original Contributions

M. Horio
Development of Planar Orientation in Polymer Processing 4

Ho Jong Kang, J.L. White
Orientation and Residual Stress Distributions in Thick Melt Spun Polystyrene and Polycarbonate Filaments..... 12

B. Vergnes, N. Bennani, C. Guichard
Experimental and Theoretical Approach to the Extrusion of Rubber Compounds with a Two-Stage Screw 19

Jialin Wu, Diaosheng Guan, Baojun Qian
The Characteristic Behaviour of the Stretch-Orientation Zone during High-Speed PET Spinning..... 25

H.-G. Fritz, B. Stöhrer
Polymer Compounding Process for Controlled Peroxide-Degradation of PP 31

R. Gauvin, M. Chibani
The Modelling of Mold Filling in Resin Transfer Molding 42

Technical News

Determining the Residual Moisture Content of Plastics and Granulates 47

Contact-Free Strain Measurement 47

Automatic Torsion Measuring System 47

Thermomechanical Analysis 48

High Sensitivity Measurement of Viscoelastic Properties..... 48

Contactless Lateral and Longitudinal Strain Measurement 48

Testing of Plastics and Rubbers in the Temperature Chamber 49

Automatic Testing of the Flow Behaviour of Thermoplastics..... 49

Dynamic-Mechanical Spectrometer 50

Very Thin Sections of Plastic Films for Microscopic Investigations 50

Measuring and Control Using Airborne Sound 50

PPS News

Third Annual Meeting of the Polymer Processing Society 51

J. Th. Lindt
Working Parties of the Polymer Processing Society 52

Introduction to Authors IBC
