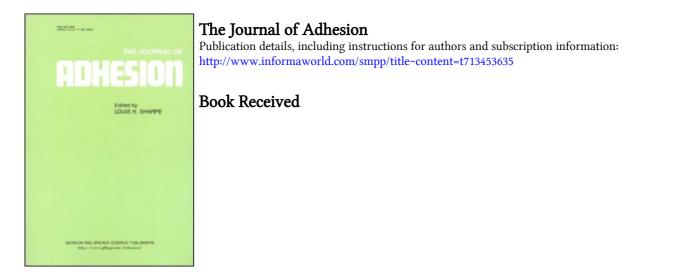
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J. Adhesion, 1986, Vol. 19, pp. 185–187 0021-8464/86/1902-0185 \$18.50/0 © 1986 Gordon and Breach, Science Publishers, Inc. Printed in the United Kingdom

Books Received

STRUCTURE-PROPERTY RELATIONSHIPS IN POLYMERS. Raymond B. Seymour and Charles E. Carraher. Plenum Press, New York and London, 1984, 232 pp. (US\$22.50).

This book contains 16 chapters covering the following subjects:

- 1. Chemical Structure of Polymers
- 2. Physical Structure of Polymers
- 3. Tests for Properties of Polymers
- 4. Optical Properties of Polymers
- 5. Mechanical Properties of Polymers
- 6. Electric Properties of Polymers
- 7. Thermal Properties of Polymers
- 8. Solubility
- 9. Diffusion and Permeation of Gas and Vapors in Polymers
- 10. Chemical Resistance of Polymers
- 11. Effect of Additives on Polymers
- 12. Properties of Polyolefins
- 13. Polymeric Hydrocarbons with Pendant Groups
- 14. Aliphatic Polymers with Heteroatom Chains
- 15. High-Performance Polymers
- Selection of Polymers for Special Applications Appendix: Acronyms and Abbreviations Index

ADHESIVE JOINTS, edited by K. L. Mittal. Plenum Press, New York and London, 1984, 931 pp. (US\$125.00).

This book consists of the papers presented at the International Symposium on "Adhesive Joints: Formation, Characteristics and Testing" sponsored by the Division of Polymeric Materials: Science and Engineering of the American Chemical Society at its meeting in Kansas City, MO, U.S.A., September 1982.

BOOKS RECEIVED

Papers fall under the following headings:

- 1. Substrate and Interfacial Aspects
- 2. Factors Influencing Behavior of Adhesive Joints
- 3. Evaluation and Characterization
- 4. Durability or Stability Aspects
- 5. Stress Analysis and Performance Aspects
- 6. Fracture Aspects About the Contributors Index

POLYMER BLENDS. Processing, Morphology, and Properties-Volume 2, edited by M. Kryszewski, A. Galeski and E. Martuscelli. Plenum Press, New York and London, 1984, 287 pp. (US\$52.50).

This volume presents the papers given at the Second Joint Polish-Italian Seminar on Multicomponent Polymer Systems, held September 7-12, 1982, in Lodz, Poland.

A sampling of topics covered is given below:

Recent Advances in Interpenetrating Polymer Networks Adhesion Between Polymers Compatibility of PVC—Polymethacrylate Systems Electrical Properties of Polypropylene-Polycarbonate Blends A Mechanical Study of Polyethylene-Glass Beads Adhesion Composite Membranes Containing Liquid Crystals—Some Thermal and Mechanical Properties Author Index Subject Index

CONTEMPORARY TOPICS IN POLYMER SCIENCE-Volume 5, edited by E. J. Vandenberg. Plenum Press, New York and London, 1984, 458 pp. (US\$75.00).

This volume includes papers from the Eleventh Biennial Polymer Symposium of the Division of Polymer Chemistry of the American Chemical Society. The Symposium, held November 20-24, 1982 in Dorado Beach, Puerto Rico, and entitled, "High Performance Polymers", honored Professor Herman F. Mark on his receipt of the Fourth Division of Polymer Chemistry Award.

A selection of titles follows:

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BOOKS RECEIVED

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The Early Days of Polymer Science (Professor Mark) Polymer Carbon—The Start into a New Age of Polymer Application Recent Developments in the Science and Technology of Ultra-High Modulus Polyolefins New Developments in High Temperature and High Strength Polyquinolines Reflections on the Design, the Structure and the Properties of Highly Conducting Polymers as Related to Other Organic Metals Some Recent Aspect of Polymer Flammability Author Index Subject Index

ALTERNATING COPOLYMERS, edited by J. M. G. Cowie. Plenum Press, New York and London, 1985, 281 pp. (US\$47.50).

This volume is one of a series entitled *Speciality Polymers*. It consists of six chapters written by a number of experts. The chapter titles follow:

- 1. Principles of Alternating Copolymerization
- 2. Radical Initiated Alternating Copolymerization
- 3. Alternating Copolymerization in the Presence of Lewis Acids
- 4. Alternating Copolymerization of Olefins and Diolefins
- 5. Alternating Copolymerization Involving Zwitterions
- 6. Physical Properties of Alternating Copolymers Index

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