

CONTENTS

RIM: FUTURE TRENDS

- | | |
|--|----|
| 1. The Future of RIM in the United States | 3 |
| 2. Polyurethane RIM: A Competitive Plastic Molding Process | 15 |

POLYURETHANE RIM: STRUCTURE, PROPERTIES AND CATALYSIS

- | | |
|--|-----|
| 3. Phase Separation Studies in RIM Polyurethanes: Catalyst and Hard Segment Crystallinity Effects | 27 |
| 4. Investigations of the Structure-property Relationships for RIM Polyurethane Elastomers: Effect of an Amine Additive | 53 |
| 5. Effect of Urethane RIM Morphology on Deviation from Second-Order, Straight-Line Dependence | 65 |
| 6. Structure-Property Relationships in RIM Polyurethanes | 83 |
| 7. Rheology of Polyols and Polyol Slurries for Use in Reinforced RIM | 97 |
| 8. Organotin Catalysis in Urethane Systems | 111 |

NONURETHANE RIM SYSTEMS

- | | |
|---|-----|
| 9. The Ketene Amino-Isocyanate Reaction and RIM Systems | 125 |
| 10. Nylon 6 RIM | 135 |
| 11. Activated Anionic Polymerization of ϵ -Caprolactam for RIM Process | 163 |
| 12. Properties and Morphology of Impact-Modified RIM Nylon | 181 |

RIM TECHNOLOGY

- | | |
|--|-----|
| 13. Self-Releasing Urethane Molding Systems: Productivity Study | 195 |
| 14. Improved RIM Processing with Silicone Internal Mold Release | 213 |
| 15. Fiberglass Reinforcements in RIM Urethanes | 225 |
| 16. Mold Filling with Polyurethane | 237 |
| 17. New Developments in RIM Equipment | 259 |
| 18. Profiles of Temperature and State of Cure Developed Within Rubber in Injection Molding Systems | 279 |
| Author Index | 295 |
| Subject Index | 295 |