

CONTENTS

1. Elastomer-Modified Epoxy Resins in Coatings Applications	1
2. Elastomeric Polysiloxane Modifiers for Epoxy Networks: Synthesis of Functional Oligomers and Network Formation Studies	21
3. Synthesis and Analysis of Saturated, Reactive <i>n</i> -Butyl Acrylate Polymers for Use in Epoxy Resin Toughening	55
4. Impact Performance of Epoxy Resins with Poly(<i>n</i> -butyl acrylate) as the Reactive Liquid Rubber Modifier	69
5. Synthesis, Morphology, and Thermal Stability of Elastomer Modified Epoxy Resins	85
6. Polyfunctional Chelating Agents for Improved Durability of Epoxy Adhesion to Steel	119
7. High Performance Tris(hydroxyphenyl)methane-Based Epoxy Resins	135
8. Fast Curing Epoxy-Episulfide Resin for Uses at Room Temperature	153
9. Influence of Physical Aging on the Time-Dependent Properties of Network Epoxies and Epoxy-Matrix Composites	171
10. Effects of Impurities on Hydrolytic Stability and Curing Behavior	193
11. Structure-Property Relations of Polyethertriamine-Cured Bisphenol-A-diglycidyl Ether Epoxies	211
12. Isothermal Cure Kinetics of an Epoxy Resin Prepreg	229
13. Branching of High Molecular Weight Polyhydroxyethers Based on Bisphenol-A	245
14. Characterization and Moldability Analysis of Epoxy Reaction Injection Molding Resins	263
15. Water Dispersible Epoxy-g-Acrylic Copolymer for Container Coating	283
Index	301