

<b>Foreword</b>	<b>vii</b>
<b>Preface</b>	<b>ix</b>
<b>1. Introduction</b>	<b>1</b>
<b>2. Cohesive Energies of Polymeric Systems</b>	<b>13</b>
<b>3. Molecular Structure of Polymers</b>	<b>19</b>
<b>4. Thermodynamics of Macromolecular Systems</b>	<b>49</b>
<b>5. Conformational Structures and Morphologies</b>	<b>89</b>
<b>6. Determination of Molar Masses and Study of Conformations and Morphologies by Physical Methods</b>	<b>147</b>
<b>7. Step-Growth Polymerizations</b>	<b>213</b>
<b>8. Chain Polymerizations</b>	<b>249</b>
<b>9. Reactivity and Chemical Modification of Polymers</b>	<b>357</b>
<b>10. Macromolecular Synthesis</b>	<b>377</b>
<b>11. Thermomechanical Properties of Polymers</b>	<b>401</b>
<b>12. Mechanical Properties of Polymers</b>	<b>427</b>

<b>13. Rheology, Formulation, and Polymer Processing</b>	
<b>Techniques</b>	<b>467</b>
<b>14. Natural and Artificial Polymers</b>	<b>493</b>
<b>15. Linear (monodimensional) Synthetic Polymers</b>	<b>513</b>
<b>16. Three-Dimensional Synthetic Polymers</b>	<b>583</b>
<b>Index</b>	<b>607</b>