

CONTENTS

Chapter 1. Introduction: The Structure And Physical Properties of Free Radicals	1
2. Chemical Reactions of Radicals; Bond Dissociation Energies	27
3. Free Radical Polymerizations; The Kinetics of Radical Chain Processes	54
4. Copolymerization, Chain Transfer, and Inhibition in Polymerization	97
5. Some Further Characteristics of Radical Polymerizations	179
6. Radical Addition Reactions Yielding Small Molecules	239
7. Radical Addition Reactions Involving Atoms Other Than Carbon	290
8. Halogen Substitution Reactions	347
9. Autoxidations	397
10. Radical Formation by Thermal Cleavage of Covalent Bonds	467
11. Radical Production by Photochemical, High Energy-Radiation, and Oxidation-Reduction Processes	538
Author Index	597
Subject Index	621