

## CONTENTS

1. Poly(vinyl chloride) Stabilization Mechanisms	1
2. The Control of Thermal Degradation Pathways in Poly(vinyl chloride) by Heat-Stabilizing Additives	18
3. Effect of Stabilizers on the Melt Rheology of Poly(vinyl chloride)	38
4. Determination of the Stability of PVC Compounds Against High Temperature	45
5. Polyepoxides as Stabilizers for Poly(vinyl chloride)	57
6. Internal Stabilization of Poly(vinyl chloride)	65
7. Metallo-organic Systems with High Thermal Stability	82
8. Oxidative Stabilization of Silicone Fluids	95
9. Mechanism of Antioxidation and Antiozonization of Amines for Rubber	110
10. Dialkylhydroxybenzyl-N,N-Dimethyl Dithiocarbamates as Intermediates in the Preparation of Pheolic Polymer Stabilizer	126
11. Hydroperoxide Decomposition by Some Sulfur Compounds	140
12. Antioxidants Derived from Alkylation of Phenols with Alpha Olefins	155
13. Dihydric Phenols as Antioxidants in Isotactic Polypropylene. Derivatives of Pyrocatechol	169
14. Dihydric Phenols as Antioxidants in Isotactic Polypropylene. Derivatives of Hydroquinone	191
15. New Phenol Phosphite Stabilizers for Polypropylene	202
16. Correlation of Test Methods for Evaluating Antioxidants in Polypropylene	224
17. A Modified Oven-Aging Technique for Studying Polymer Antioxidant Systems	239
18. Microbial Degradation of Plasticized Vinyl Films	250
19. Fundamental Processes in the Photodegradation of Polymers	272
20. The Light Stabilization of Polystyrene	287
21. Fire Retardants for Thermoplastics. Phosphine Oxides, Phosphonic Acids, and Phosphinic Acids	307
22. Fire Retardants for Thermoplastics. Phosphonium Halides	318
Index	327