

CONTENTS

Chapter 1.	Standards and Sources of Tests for Polymers. By W. E. Brown, F. C. Frost, and P. E. Willard	1
Chapter 2.	Conditioning Equipment for Polymer Testing. By F. M. Gavan and F. A. Joy	41
Chapter 3.	Mechanical Relationships in Testing for Mechanical Properties of Polymers. By J. Marin	87
Chapter 4.	Theories of Phenomenological Viscoelasticity Underlying Mechanical Testing. By M. G. Sharma	147
Chapter 5.	Introduction to Electrical Property Tests. By A. H. Sharbaugh	201
Chapter 6.	DC Dielectric Conductance (Reciprocal Resistance) and Conductivity (Reciprocal Resistivity) Measurements. By A. H. Scott	213
Chapter 7.	Dielectric Constant and Loss Measurements. By R. W. Tucker	237
Chapter 8.	Characterization of Polymers by Electrical Resistivity Techniques. By R. W. Warfield	271
Chapter 9.	High Voltage Electrical Testing of Polymers. By T. W. Dakin	297
Chapter 10.	Cavitation Erosion Testing of Polymers. By J. H. Brunton.	347
Chapter 11.	Testing for Odor and Taste Transfer Properties of Polymers. By L. B. Sjöström and F. Sullivan	367
Chapter 12.	Indentation and Compression Testing of Floor Coverings. By F. M. Gavan and J. T. Wein, Jr.	377

Chapter 13.	The Measurement of Gas and Vapor Permeation and Diffusion in Polymers. By V. Stannett and H. Yasuda	393
Chapter 14.	Selected References on Sources of Standards and Tests for Polymers. By W. E. Brown and J. V. Schmitz	419
Appendix I		441
Appendix II		449
Author Index		451
Subject Index		459