

Contents

Introductory Remarks at Witco Symposium for Dr. Turner Alfrey...	1
by C. G. OVERBERGER	
Technological Aspects of the Mechanical Behavior of Thermoplastic Polymers.....	3
by T. ALFREY, JR.	
Multilayer Plastic Films.....	9
by W. J. SCHRENK	
"Dead" Metal-Plastic Laminar Structures: A Study of Over-Flexed Beams.....	13
by G. M. HART and J. K. RIEKE	
Cyclic Deformation and Fracture in Polymers.....	25
by P. BEARDMORE and S. RABINOWITZ	
Influence of Orientation on the Properties of Amorphous Polymers...	31
by K. J. CLEEREMAN	
Quantitative Structural Analysis of Mechanical Behavior in Poly- crystalline Polymers.....	37
by R. J. SAMUELS	
Morphology and Properties of Injection Molded Crystalline Polymers.....	45
by E. S. CLARK	
Calculation of Dynamic Spectra from Relaxation Data.....	55
by W. C. MELUCH	
Network Statistics of Block Copolymers and Filled Elastomers: Swelling Equilibria.....	67
by D. J. MEIER	
Glass Transition Temperatures of Vinylidene Chloride Copolymers...	83
by R. A. WESSLING, D. F. DICKEN, S. R. KUROWSKY, and D. S. GIBBS	
Author Index.....	107