

CONTENTS

Recent Progress in the Studies on the Preparation and Properties of Polymer Blends	1
M. Kryszewski	
Morphology, Crystallization Phenomena and Transitions in Crystallizable Polymer Alloys	23
E. Martuscelli	
Properties of Polyethylene-Polypropylene Blends: Crystallization Behaviour	49
E. Martuscelli, M. Pracella, M. Avella, R. Greco and G. Ragosta	
The Structure and Mechanical Properties of Blends of Cis and Trans-Polyisoprene	71
A.J. Carter, C.K.L. Davies and A.G. Thomas	
Crystallization and Melting of Components in Blends of Polyethylene and Polypropylene	87
J. Grebowicz and T. Pakula	
Morphology, Crystallization and Melting Behaviour of Poly(ethylene oxide)/Poly(methyl methacrylate) Blends	101
E. Martuscelli and G.B. Demma	
Le Role des Copolymères Sequences et Graffes dans les Alliages de Polymères	123
G. Riess	

Synthesis and Properties of New Toughened Resins Based on Ethylene-Propylene Copolymers.....	143
S. Cesca, S. Arrighetti, A. De Chirico and A. Brancaccio	
Macromolecular Alloy Systems: A Contribution to the Determination of the Structure of Impact Resistant Polyamide - Polyolefin - Alloys	167
G. Illing	
Synthesis of Interfacial Agents and Their Use in Nylon 6/Rubber Alloys.....	191
M. Avella, R. Greco, N. Lanzetta, G. Maglio, M. Malinconico, E. Martuscelli, R. Palumbo and G. Ragosta	
Tensile Properties and Morphology of Copolymer Modified Blends of Polystyrene and Polyethylene.....	201
S.D. Sjoerdsma, A.C.A.M. Bleijenberg and D. Heikens	
Mechanical Models of Heterogeneous Polymeric Materials.....	239
T. Pakula	
Mechanical Properties of Multicomponent Polymeric Materials: A Predictive Classification of Binary Systems.....	265
R. Greco	
Properties of Polystyrene-Polyolefin Alloys:	
I. Processing and Mechanical Properties.....	281
R. Greco, G. Ragosta, E. Martuscelli and C. Silvestre	
Properties of Polystyrene-Polyolefin Alloys:	
II. Processing Morphology Relationship.....	295
E. Martuscelli, C. Silvestre R. Greco and G. Ragosta	

Morphology and Mechanical Properties of SXS-Polystyrene Blends	319
E. Pedemonte, G.C. Alfonso and G. Siccardi	
Synthesis of Interpenetrating Polymer Networks and their Possible Uses.....	333
P. Penczek	
Mechanical and Thermal Properties of Polycarbonate-Aromatic Copolyester Blends.....	349
J. Majnusz	
Preliminary Investigation of Polycarbonate- Polypropylene Blends.....	363
Z. Dobkowski, Z. Kohman and B. Krajewski	
Multicomponent Polyester Systems with Mesogenic Units.....	373
E. Chiellini, R.W. Lenz and C. Ober	
Transport Properties and Morphology of Polymeric Blends.....	383
C. Carfagna, A. Apicella, E. Drioli, H.B. Hopfenberg, E. Martuscelli and L. Nicolais	
The Phase Structure of Poly(N-Vinylcarbazole)-Poly- carbonate Blends as Studied by Thermally Stimulated Currents and Thermo-Optical Analysis.....	397
J. Ulanski and M. Kryszewski	
Stress Relaxation of Glass Bead Composites.....	407
C. Migliaresi, G. Guerra, L. Nicodemo and L. Nicolais	
Studies on the Properties and Structure of Adhesive Films containing Elastomer/Resin Blends.....	421
J. Kozakiewicz, B. Kujawa-Penczek and P. Penczek	

Polymeric Modifier for Filled Polypropylene.....	431
A. Gałęski and R. Kaliński	
Multicomponent Selective Membranes Made of Ionic/ Nonionic Polymers.....	451
A. Narebska and R. Wodzki	
Polyolefinic Blends: Recent Applications and Developments.....	469
A. Mattiussi and F. Forcucci	
Dispersive Mixing of Polymer Melts in the Static Mixer.....	485
J. Swietoslawski, J. Morawiec and T. Pakula	
Author Index	505
Subject Index	507