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Titolo	Polyester [[electronic resource] ] : properties, preparation and applications // Hina Yamashita and Yui Nakano, editors
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Altri autori (Persone)	NakanoYui YamashitaHina
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Nota di contenuto	<p>""POLYESTER: PROPERTIES, PREPARATION AND APPLICATIONS"";  ""NOTICE TO THE READER""; ""CONTENTS""; ""PREFACE""; ""HYDROLYSIS OF POLYESTERS AND POLYCARBONATES""; ""ABSTRACT"";  ""ABBREVIATIONS""; ""1. INTRODUCTION""; ""2. POLYESTERS""; ""2.1. Hydrolysis of PET in Water""; ""2.2. Acidic Hydrolysis of PET""; ""2.3. Alkaline Hydrolysis of PET""; ""2.4. Other Processes""; ""2.5. Hydrolysis of PEN and PBT""; ""2.6. Industrial Applications""; ""3. POLYCARBONATE""; ""4. CONCLUSION""; ""REFERENCES""; ""MULTIWALL CARBON NANOTUBE REINFORCED POLYESTER NANOCOMPOSITES""; ""ABSTRACT""; ""1. INTRODUCTION""  ""1.1. Multiwall Carbon Nanotube (MWCNT)""""1.2. CNT/Polymer Nanocomposites""; ""2. PROCESSING OF CNT/POLYMER NANOCOMPOSITES""; ""2.1. General Features""; ""2.2. CNT-Reinforced PEN Nanocomposites""; ""3. UNIQUE NUCLEATION OF CNT AND PEN NANOCOMPOSITES DURING NON-ISOTHERMAL CRYSTALLIZATION""; ""3.1. Morphology""; ""3.2. Thermal Behavior""; ""3.3. Non-Isothermal Crystallization Behavior""; ""3.4. Nucleation Activity and Activation Energy for Non-Isothermal Crystallization""; ""4. INFLUENCE OF CNT ON PHYSICAL PROPERTIES OF PEN NANOCOMPOSITES""; ""4.1. Dynamic Mechanical Thermal Analysis""  ""4.2. Rheological Behavior""""4.3. Mechanical Properties and Thermal Stability""; ""5. CRYSTALLIZATION, MELTING BEHAVIOR, AND</p>

MECHANICAL PROPERTIES OF CNT AND PEN NANOCOMPOSITES"; ""5.1. Isothermal Crystallization and Melting Behavior"; ""5.2. Mechanical Properties and Theoretical Approach"; ""6. THERMAL STABILITY AND DEGRADATION BEHAVIOR OF PEN/CNT NANOCOMPOSITES"; ""6.1. Dynamic Mechanical Thermal Properties"; ""6.2. Thermal Stability"; ""6.3. Thermal Degradation Kinetics"; ""6.4. Interconnected Network-Like Structures of MWCNT"; ""7. SUMMARY"; ""REFERENCES""

""RECENT DEVELOPMENTS IN MODIFICATION OF CYANATE ESTER RESINS""1. INTRODUCTION"; ""2. HYBRID NETWORKS FROM CYANATE ESTERS AND POLYETHERS (POLYESTERS)"; ""3. POLYCYANURATE-POLYURETHANE GRAFTED SEMI-IPNS"; ""3.1 Synthesis, Chemical Interaction between Components, Reactive Grafting and Compatibilization"; ""3.2. Kinetic Peculiarities"; ""3.3. Relaxation Behaviour and Phase Structure"; ""3.4. Influence of Carbon Fiber Filler on Formation and Phase Structure"; ""3.5 Properties. Adhesion to Metals"; ""4. POLYCYANURATE-POLYURETHANE LINKED FULL-IPNS"; ""5. CONCLUSIONS"; ""REFERENCES""

""BIODEGRADABLE ALIPHATIC POLYESTERS DERIVED FROM 1,3-PROPANEDIOL: CURRENT STATUS AND PROMISES""""ABSTRACT"; ""1. INTRODUCTION"; ""2. DISCUSSION"; ""2.1. 1,3-Propanediol as a Monomer for Polymer Production"; ""2.2. Synthesis and Characterization of the Polyesters of 1,3-PD"; ""2.3. Biodegradation"; ""2.4. Copolymers"; ""2.5. Blends"; ""2.6. Application of PPSu in Drug Delivery Systems"; ""3. CONCLUSION"; ""REFERENCES"; ""COMPATIBILITY OF COTTON/NYLON AND COTTON/POLYESTER WARP-KNIT TERRY TOWELLING WITH INDUSTRIAL LAUNDERING PROCEDURES"; ""ABSTRACT"; ""INTRODUCTION""

""AIM OF THE STUDY""

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