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""INTRODUCTION""; ""1. SYNTHESIS""; ""2. MECHANICAL PROPERTIES""; ""2.1. Effect of Molecular Characteristics""; ""2.2. Effect of Highly Ordered Structures""; ""2.3. Effect of Polymer Blending""; ""2.4. Effects of Material Morphology""; ""2. SURFACE PROPERTIES""; ""3. HYDROLYTIC DEGRADATION""; ""5.1. Effects of Molecular Structures""; ""5.2. Effects of Highly Ordered Structures""; ""5.3. Effects of Blending and Additives""; ""5.4. Effects of Material Morphology""; ""CONCLUSION"" ""REFERENCES"" ""COMPOSITES BASED ON DEGRADABLE POLYMERS""; ""ABSTRACT""; ""INTRODUCTION""; ""MATRIX MATERIALS""; ""MECHANICAL PROPERTIES OF COMPOSITES""; ""IN VITRO AND IN VIVO TESTING OF COMPOSITES""; ""MANUFACTURE OF COMPOSITES PHB/PHV BASED COMPOSITES""; ""POLYGLYCOLIC ACID (PGA) AND POLYLACTIC ACID (PLA) BASED COMPOSITES""; ""POLYCAPROLACTONE (PCL) BASED COMPOSITES""; ""PEO BASED COMPOSITES""; ""HYDROGEL BASED POLYMER COMPOSITES""; ""COMPOSITES USED FOR SCAFFOLDS""; ""IN VITRO TESTING OF DEGRADATION BEHAVIOUR""; ""IN VITRO TESTING OF BIOCOMPATIBILITY""; ""IN VIVO TESTING OF COMPOSITES"" ""CLINICAL APPLICATIONS OF DEGRADABLE COMPOSITES"" ""CONCLUSION""; ""REFERENCES""; ""PRODUCT REALIZATION: THE PROCESSING OF BIOABSORBABLE POLYMERS""; ""ABSTRACT""; ""THE PROCESS OF PRODUCT REALIZATION""; ""CRITICAL PERFORMANCE CRITERIA""; ""Material Physical Properties Directly Affected by ""; ""Device Delivery""; ""Healing Response""; ""Wound Environment Issues""; ""Bioabsorbable Material Availability""; ""Manufacturability""; ""RAW MATERIAL""; ""POLYMER BLENDS AND COMPOSITES""; ""QUALITY ASSURANCE PROTOCOLS""; ""MELT PROCESSING""; ""MOLDED THREAD FORMS""; ""MACHINING"" ""CONCLUSION""

Sommario/riassunto

The purpose of this book is present an integrated overview of the properties of degradable polymers and their application in skeletal surgery.
