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agent and its antimicrobial activity methods: A mini review of antimicrobial natural rubber latex -- Effect of halloysite nanotubes on the performance of self-healing natural rubber -- Effect of silica reinforcement on self-healing properties of natural rubber -- Post-reactor modifications of polybutadiene rubber via solution intercalation method and its potential application in industrial scale production -- Puncture-proof properties of self-healing natural rubber -- Preparation and characterization of glycidyl methacrylate based inverse vulcanized copolymers -- Effects of single-walled carbon nanotube on the electrical and mechanical properties of thermoplastic polyurethane nanocomposites -- Effect of Fumigation treatment on the mechanical properties of Cantala fiber-unsaturated polyester composite fabricated by compression molding method -- A study of microwave radiation effect in devulcanization of ethylene propylene diene rubber waste.

Sommario/riassunto

This book presents the selected papers from the 19th Asian Workshop in Polymer Processing (AWPP 2022) highlighting the latest research breakthroughs in the field of polymeric materials and processing technologies. The topics of the conference provides an exclusive forum for intellectually stimulating and engaging interactions among academicians and industrialists to share their recent scientific breakthroughs and emerging trends in polymer processing technologies and their contributions towards environmental sustainability. Its content appeals to the researchers, academics, industry practitioners working in the field of green sustainable polymers. .