Biodegradable Plastics and Polymers (Coated Paper, Shopping Bags, Landfill Cover Film, Plant Phytotoxicity Testing, Toxicity, Fillers, Activated Sludge, Copolyesters, Monomer, Polymer, Fibre-Reinforced Composites, Biodegradable Polymers, Biodegrdation, Po

Description:

Biodegradable plastics are plastics that are decomposed by the action of living organisms, usually bacteria.

Two basic classes of biodegradable plastics exist: Bioplastics, whose components are derived from renewable raw materials, and plastics made from petrochemicals containing biodegradable additives which enhance biodegradation.

Biodegradable polymers are a specific type of polymer that breaks down after its intended purpose to result in natural by products such as gases (CO2, N2), water, biomass, and inorganic salts. These polymers are found both naturally and synthetically made, and largely consist of ester, amide, and ether functional groups. Their properties and breakdown mechanism are determined by their exact structure. These polymers are often synthesized by condensation reactions, ring opening polymerization, and metal catalysts. There are vast examples and applications of biodegradable polymers.

For more details download PDF file.

Keywords: Bioplastics and Biodegradable Plastics, Biodegradable Plastics and Polymers, Biodegradable Products, Biodegradable Plastics from Waste, How to Make Biodegradable Plastic, Biodegradable Plastic Bags, Biodegradable Plastic Bottles, Biodegradable Plastic Manufacture, Producing Biodegradable Plastic, Starch-Based Biodegradable Plastics, Biodegradable Plastic Packaging, Bio-Based Biodegradable Plastics, Biobased and Biodegradable Plastic, Biodegradable Polymers, Biodegradable Polymers Plastic, Biodeg

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