

PRODUCT INNOVATION IN BIODEGRADABLE PACKAGING

BIODEGRADABLES ARE EMERGING AS AN ATTRACTIVE ALTERNATIVE TO PLASTIC PACKAGING

These are bio-based or fossil-fuel-based chemical compositions that Undergo Microbial decomposition to carbon dioxide and water in industrial or municipal compost facilities. These are environment friendly, recyclable and compostable packaging materials

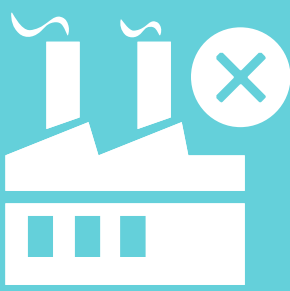
Factor Influencing the Demand for Biodegradable Packaging



Increasing
Regulations and Bans
Against Plastic Bags



Government initiatives
for promoting
Biodegradable
materials



To eliminate the
dependency on
fossil fuel



Reducing Landfill
Disposal Costs

Material Innovations in Biodegradable Packaging



1

CORNSTARCH

- Ideal for products which have shorter shelf life
- Gaining significance as an alternative to plastic containers used in food packaging



2

PLA – POLYLACTIC ACID

- Properties such as moisture absorption and heat-resistance makes it a preferred material for fruits, vegetables and meat packaging
- Expected to replace plastic and PET packaging



3

PHA – POLY HYDROXY ALKANOATE

- Degraded aerobically by micro organisms to CO2 and H2O upon disposal
- Applications range from single use packaging for foods and beverages to agriculture products packaging films

WITH MANY INDUSTRY PARTICIPANTS INVESTING IN R&D TO DELIVER IDEAL PACKAGING SOLUTIONS

Key Proponents

The US based company has developed a line of compostable packaging solutions for household and corporate use

WORLD CENTRIC
Zero Waste Solutions



Introduced Papelyco – plantable plates made from corn husk and seeds

Produces materials which are made from wood composites using natural binders derived from starch and glucose

SULAPAC

TIPA®
Sustainable Packaging

The Israel based company uses bio-materials to create sustainable, flexible packaging

DATAMATICS' VIEW

Several industry leaders such as Unilever and P&G have pledged to reduce their ecological footprint through the adoption of biodegradable packaging materials and it is estimated that the product will have a major significance in the food & beverage and packaging industries



To know more about recent innovations in Biodegradable Packaging, please contact marketing@datamaticsbpm.com

ABOUT DATAMATICS BUSINESS SOLUTIONS LTD.

Datamatics Business Solutions Ltd. (DBSL) is a pioneer in providing intelligent Business Process Management (iBPM) services.

Our integrated offerings include; Database Solutions & B2B Marketing, Demand Generation & Sales Acceleration, Business Research, Finance & Accounting Outsourcing, Payroll and Contact Center Services. We leverage emerging technologies like Robotics, Machine Learning and Artificial Intelligence to power human-machine collaboration & enable seamless delivery. As a trusted partner to Fortune 1000 companies; our focus is on driving revenue growth, operational excellence, cost efficiency & customer intimacy for global clients.

We serve customers across the globe and industries like Media & Publishing, Technology, Banking & Financial Services, Events, Manufacturing, Healthcare, Automotive, Retail & CPG, Travel & Logistics and Telecom.