ANMD-MRS33-323 · Sustainable Packaging Innovations

Edible Packaging Products

A Global Sustainability Due Diligence & Market Research Study

History 2020–2024 · Base Year 2025 · Forecast 2025–2032 · Outlooks 2035 / 2040 / 2050 · Currency US$

WHY THIS REPORT

Edible packaging products eliminate waste entirely by making the package consumable, combining edible films and coatings, water pods and protein-based materials from polysaccharides, proteins and lipids. This decision-grade study sizes the global market three ways — value, units produced and packaging volume — across product type, structure and application, across seven regions and four scenarios to 2032, with outlooks to 2050.

SUSTAINABILITY & SDG IMPACT — THE ANMD LENS

Sustainability is this report's backbone, not an afterthought. Beyond plastic substitution, edible packaging delivers measurable packaging-waste elimination, plastic reduction and resource efficiency, while consumable formats strengthen the zero-waste story.

Mapped Sustainable Development Goals:

SDG 2	SDG 6	SDG 7	SDG 13	SDG 15
Zero Hunger	Clean Water	Affordable Clean Energy	Climate Action	Life on Land

Measurable sustainability outcomes assessed:

- Zero packaging waste through consumable or home-compostable formats
- Reduced single-use plastic in foodservice and single-serve
- Resource-efficient food-grade material use
- Food-safety, allergen and feedstock-sourcing as material risks

Framework alignment: Double materiality mapped to GRI, SASB, ISSB, TCFD, TNFD, CSRD and the EU Taxonomy, with greenwashing and SDG-washing screens applied throughout.

WHAT'S INSIDE AT A GLANCE

53 Chapters	9 Report Parts	7 Regions Covered	40+ Country Markets
2025–32 Forecast Horizon	4 Forward Scenarios	25+ Companies Profiled	5 SDGs Mapped

REPORT COVERAGE

Geographic scope: North America, Europe, Asia Pacific, Latin America, Africa, Middle East and Rest of World — with named country intelligence. Europe leads early commercialisation; North America accelerates on food-innovation startups; Asia Pacific is the scale engine on single-serve volume.

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MARKET OVERVIEW

From research and events to early commercial use — where consumable end-of-life means zero waste.

The edible packaging market is moving from research and events to early commercial use. Demand is driven by the convergence of plastic-elimination goals with food-innovation and single-serve trends, supported by maturing food-grade material science. The market is read three ways — value, units produced and packaging volume — and forecast under four scenarios, each region reported separately.

- Europe leads early commercialisation — the UK, France and the Nordics, on events, foodservice and plastic-free goals
- Asia Pacific is the scale engine — Japan, China, India and Australia on single-serve and street-food markets
- Product type and application segment the value — across edible films/coatings, water pods and protein-based packaging
- Consumable end-of-life is the differentiator — a zero-waste proposition no conventional material can match

REGIONAL OUTLOOK

Across seven reporting regions, the report separates early commercialisation leaders from high-growth and emerging markets — each profiled in full rather than aggregated into Rest of World.

Region	Stage	Lead Markets & Drivers
Europe	Commercialisation leader	UK, France, Nordics — events, foodservice, plastic-free goals
North America	Accelerating	United States, Canada — food-innovation startups, single-serve trials
Asia Pacific	Scale engine	Japan, China, India, Australia — food science, single-serve and street-food
Latin America	Emerging	Brazil, Mexico — foodservice innovation, novelty formats
Africa	Frontier	South Africa, Kenya — single-serve sachets, plastic-reduction pilots
Middle East	Frontier	UAE, Saudi Arabia — hospitality events, premium foodservice

KEY MARKET DRIVERS & RESTRAINTS

Drivers

- Plastic-elimination and zero-waste goals
- Food-innovation and novelty-format demand
- Single-serve and event sustainability trends
- Food-grade biopolymer and coating advances
- Foodservice and hospitality plastic-free pledges

Restraints

- Food-safety, hygiene and shelf-life constraints
- Consumer acceptance and perception barriers
- High cost and limited production scale
- Regulatory and allergen-labelling complexity
- Moisture and barrier performance limits

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SEGMENTATION SNAPSHOT

By Product Type	Edible films & coatings · edible water pods · protein-based packaging
By Structure	Films · coatings · pods / capsules
By Component	Polysaccharides · proteins · lipids · plasticizers · coating equipment
By Application	Food coatings · beverage / single-serve · foodservice
By End User	Food brands · foodservice · events / hospitality · research institutions
By Deployment Scale	Pilot · distributed · commercial-scale

TABLE OF CONTENTS — PARTS & CHAPTERS

The full report is organised into nine parts across 53 chapters, listed below. Detailed sub-headings, country tables and directories are provided in the full report.

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Part V — Company, Competition, Patent and Project Intelligence

Part VI — Sustainability, ESG, SDG, Climate and Natural-Capital Intelligence

Part VII — Supply Chain, Policy, Legal, Economics and Finance

Part VIII — Scenario, Future Intelligence and Final Due Diligence Verdict

Part IX — Annexes, Directories and Reference Material

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COMPETITIVE & INVESTMENT SNAPSHOT

The competitive field spans edible-material startups, food-science firms and coating specialists. Deal activity — food-tech funding, brand pilots and foodservice partnerships — signals a market consolidating around bankable, repeatable designs.

Representative players profiled in the full report:

Notpla Limited · Apeel Sciences, Inc. · Loliware Inc. · Xampla Ltd. · PT Evoware Solusi Berkelanjutan · and further profiled players across the value chain.

Investment intelligence: venture, infrastructure, development, climate and blended finance, green bonds and sustainability-linked loans — culminating in a bankability assessment and a clear, condition-based investment view.

KEY QUESTIONS THIS REPORT ANSWERS

- ? How large is the global edible packaging products market, and how fast will it grow to 2032?
- ? Which regions, countries and segments offer the strongest risk-adjusted opportunity?
- ? Who leads, and where is the competitive and patent white space?
- ? Is the investment case bankable — and under what conditions?
- ? How does the technology align with the SDGs and emerging disclosure regulation?

WHY ANMD — THE DIFFERENCE

Most market studies stop at units and revenue. This report is built as a sustainability due diligence instrument — fusing market sizing with ESG, SDG, climate, water and natural-capital intelligence and a decision-ready bankability assessment in a single architecture.

- › **Triangulated sizing —** every market read three ways (value, units produced and packaging volume) so value, volume and packaging volume views reconcile rather than conflict.
- › **Region-honest forecasting —** Latin America, Africa and the Middle East reported in full, never hidden inside Rest of World, every forecast resolved to the 2025 base year.
- › **Integrated evidence base —** company, patent and project databases linked to the analysis, with published-filing patents and FTO treated as an indicator, not a legal conclusion.
- › **No-fabrication discipline —** every estimate carries a data-confidence rating and disclosed sources; gaps are flagged for further diligence, never filled with invented numbers.
- › **Anti-greenwashing rigour —** SDG-washing and greenwashing screens plus claim-substantiation checks built into the ESG and project analysis.
- › **Decision-first structure —** 9 Parts and 53 Chapters culminating in stakeholder playbooks and a clear, condition-based bankability view.

WHO SHOULD BUY THIS REPORT

Investors and infrastructure / PE funds, food brands, foodservice and hospitality, packaging manufacturers, research institutions, lenders, policymakers, and corporate strategy and ESG teams.

Access the Full Report

The complete report delivers all 53 chapters in full, with every sub-heading, country table, company and patent directory, forecast model and due diligence checklist.

Purchase at **www.anewmarketdynamics.com** · Standard & Premium licences · Single-Site (SSL) and Global-Site (GSL) options at checkout.

Want the Complete Detailed Table of Contents?

This prospectus lists the nine parts and 53 chapters. The complete detailed table of contents — every sub-heading, country table, exhibit, company and patent directory and annex — is available on request to registered users. To receive it, register with your official company email at **www.anewmarketdynamics.com**. The full detailed table of contents will be sent directly to your registered company email address.

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